

# STYLECampaign

## Device Lab QA



Client: In-house

Date: March 10-11th

Send: TBD

File: Blog/SVG/fallback/2/svg2-600.html

Code: <http://stylecampaign.com/blog/blogimages/SVG/test-2/svg2-600.html>

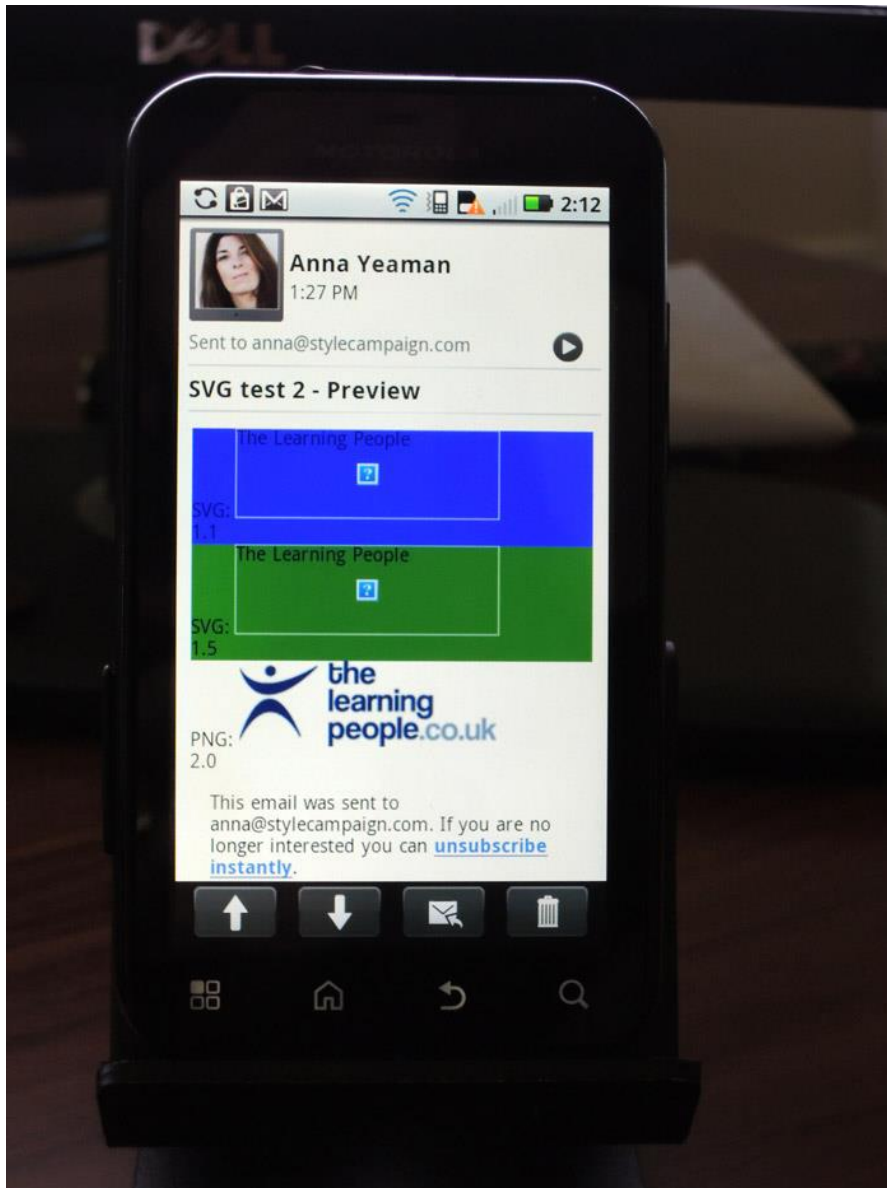
Test: SVG pixel ratio fallback test suggested by @M\_J\_Robbins

Who: Anna Yeaman [anna@stylecampaign.com](mailto:anna@stylecampaign.com)

# Summary

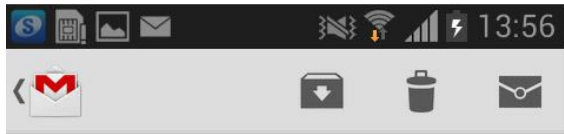
This technique did not fail in any of the email clients we tested in, serving up either the SVG or the fallback PNG.

Previous testing found that older devices like the Android native Motorola Defy 2.2.2 Froyo, only support pixel ratio 2.0 (see below) so that was our only choice.

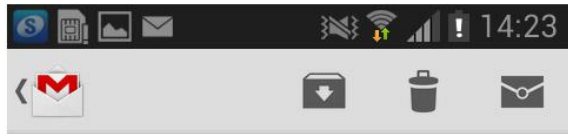
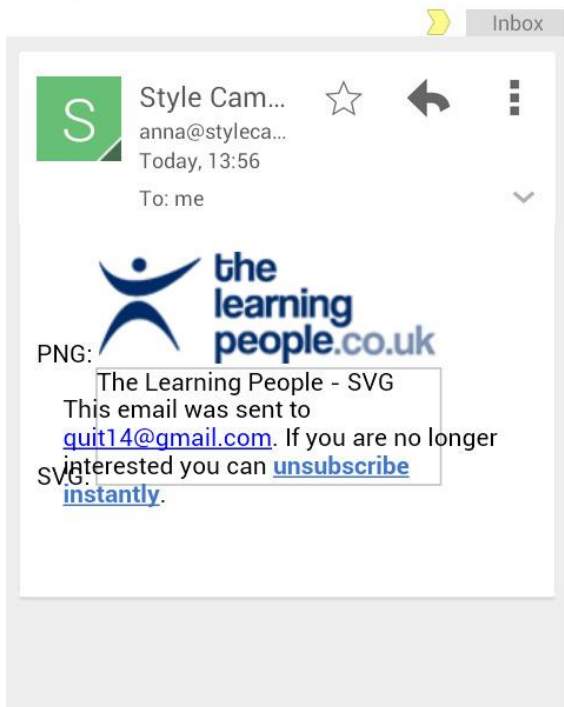


## 2 fixes

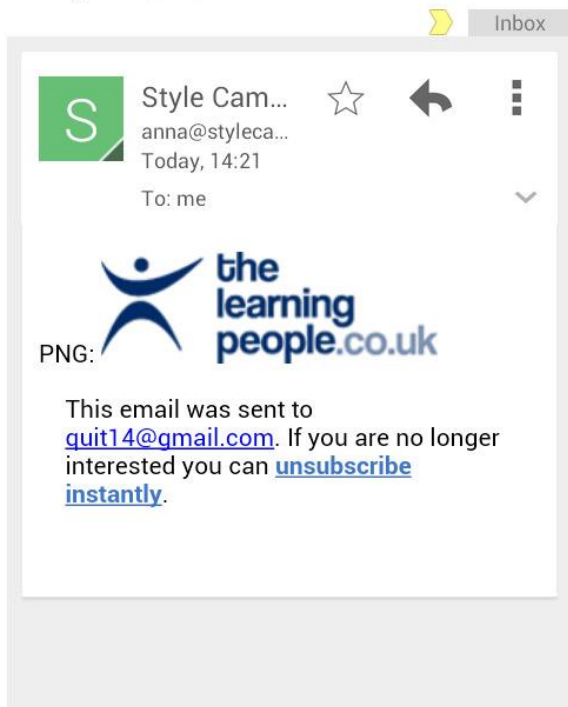
Fixed Android Gmail app issue, whereby it was drawing the SVG outline and text along with PNG:



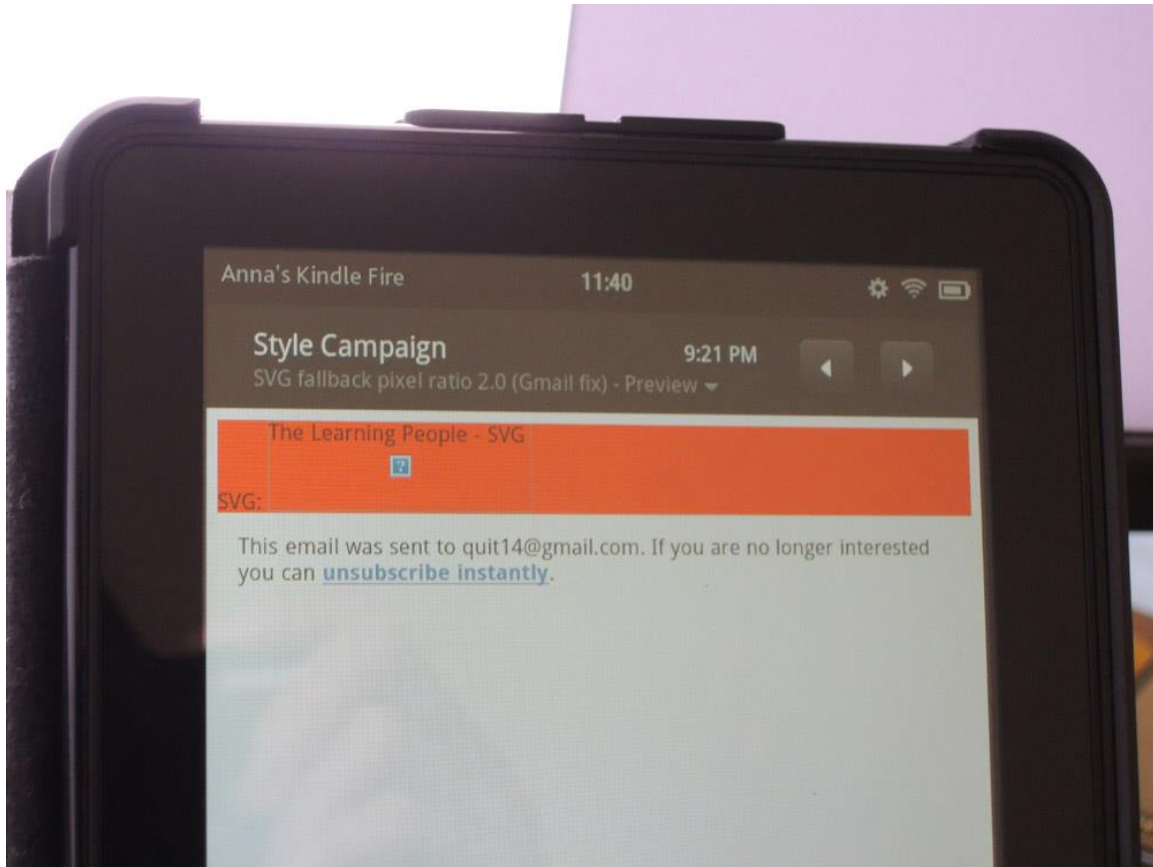
SVG fallback pixel ratio 2.0 - Preview



SVG fallback pixel ratio 2.0 (Gmail fix) - Preview



Adjusted 500px cut off to 600px, as the original Kindle Fire 7" tablet - Silk (based on Android vr2), was failing to load the SVG (see below). Now loads PNG, res is 600 x 1024 btw.



Though this means some mid-range tablets like the 7" Kindle Fire HD, now get the PNG when they previously supported the SVG at 500px.

----- Support SVG (shows SVG)

----- Support PNG (shows PNG)

----- No support (a fallback technique is not supported)

## Desktop & webmail

**Gmail Firefox:** Support PNG

**Gmail Chrome:** Support PNG

**Gmail IE10:** Support PNG

**Yahoo Mail Firefox:** Support PNG

**Yahoo Mail Chrome:** Support PNG

**Yahoo Mail IE10:** Support PNG

**Outlook.com Firefox:** Support PNG

**Outlook.com Chrome:** Support PNG

**Outlook.com IE10:** Support PNG

**AOL Firefox:** Support PNG

**AOL Chrome:** Support SVG

**AOL IE10:** Support PNG

**Outlook 2007:** [Support PNG](#)

**Outlook 2010:** [Support PNG](#)

**Outlook Express:** [Support PNG](#)

**Outlook 2013:** [Support PNG](#)

**Hotmail Firefox:** [Support PNG](#)

**Apple Mail 5.2 (MacBook Air):** [Support SVG](#)

## Android mobile

<http://developer.android.com/about/dashboards/index.html>

**Android native 2.1 LG GT540 - 2.1 Eclair:** [Support PNG](#)

**Android native Motorola Defy - 2.2.2 Froyo:** [Support PNG](#)

**Android native Samsung Galaxy Ace GB 2.3.6:** [Support PNG](#)

**Android native Samsung Galaxy Ace Gmail app (old) 2.3.6:** [Support PNG](#)

**Galaxy Note Android 2.3.6 GB native:** [Support SVG](#)

**Galaxy Note Android 2.3.6 GB Gmail app (old):** [Support PNG](#)

**Android native (Samsung Galaxy Nexus 4.0.4 ICS):** [Support SVG](#)

**Android Gmail app (Samsung Galaxy Nexus 4.0.4 ICS):** [Support PNG](#)

**Android Outlook app (Samsung Galaxy Nexus 4.0.4 ICS):** [Support SVG](#)

**Android Evomail app (Samsung Galaxy Nexus 4.0.4 ICS):** [Support SVG](#)

**Android native Galaxy S2 Jellybean 4.1.2:** [Support PNG](#)

**Android Gmail app (Jan 10 2014 update no image blocking) Galaxy S2 Jellybean 4.1.2:** [Support PNG](#)

## Android & Kindle tablet

**Nexus 7 native Android 4.3 Jelly Bean:** [Support PNG](#)

**Nexus 7 Gmail Android 4.3 Jelly Bean:** [Support PNG](#)

**Kindle Fire 7" original native & apps like Hotmail/Yahoo:** [Support PNG](#)

**Kindle Fire 7" HD native:** [Support PNG](#)

**Kindle Fire 8.9" HD native:** [Support SVG](#)

**Kindle Fire 8.9" HD Hotmail app:** [Support SVG](#)

**Kindle Fire 8.9" Yahoo! Mail app:** [Support PNG](#)

# iOS ( iPod runs the same email client as the iPhone )

iPod5 running iOS7 (tall screen) Native: [Support SVG](#)

iPod 5 running iOS7 (tall screen) Gmail app: [Support PNG](#)

iPod 5 running iOS7 (tall screen) Yahoo! Mail app: [Support PNG](#)

iPod 5 running iOS7 (tall screen) Mailbox app: [Support PNG](#)

iPod 5 running iOS7 (tall screen) Sparrow app: [Support SVG](#)

iPod 5 running iOS7 (tall screen) Evomail app: [Support SVG](#)

iPod 5 running iOS7 (tall screen) Boxer app: [Support SVG](#)

iPod running iOS 6.1.3 (tall screen) Native: [Support SVG](#)

iPod running iOS 5.1.1 (white phone) Native: [Support SVG](#)

iPod running iOS 5.1.1 Gmail app (white phone): [Support PNG](#)

iPod running iOS 4.3.5 (black phone) native: [Support SVG](#)

## iOS tablet

iPad running 4.3.5 native non-retina (Black iPad): [Support SVG](#)

iPad Mini running iOS 6.1.2 native: [Support SVG](#)

iPad Mini running iOS 6.1.2 Gmail app: [Support PNG](#)

iPad Mini running iOS 6.1.2 Mailbox app: [Support PNG](#)

**iPad Mini running iOS 6.1.2 Incredimail app:** [Support SVG](#)

**iPad running iOS 7.0 native with retina display (White iPad):** [Support SVG](#)

**iPad iOS 7.0 Birdseye with retina display (White iPad):** [Support SVG](#)

**iPad iOS 7.0 Incredimail with retina display (White iPad):** [Support SVG](#)

**iPad iOS 7.0 Gmail app with retina display (White iPad):** [Support PNG](#)

## BB

**BB Z10:** [Support SVG](#)

**BB Bold 9900 7.1:** [Support PNG](#)

**BB Curve 7.1:** [Support PNG](#)

## WP

**Dell with keyboard:** [Support PNG](#)

**Nokia Lumia 800 Yahoo 7.5:** [Support PNG](#)

**Nokia Lumia 800 Hotmail 7.5:** [Support PNG](#)

**Nokia Lumia 800 native 7.5:** [Support PNG](#)

# WP tablet

Windows Surface Hotmail / AOL: [Support PNG](#)

# Palm

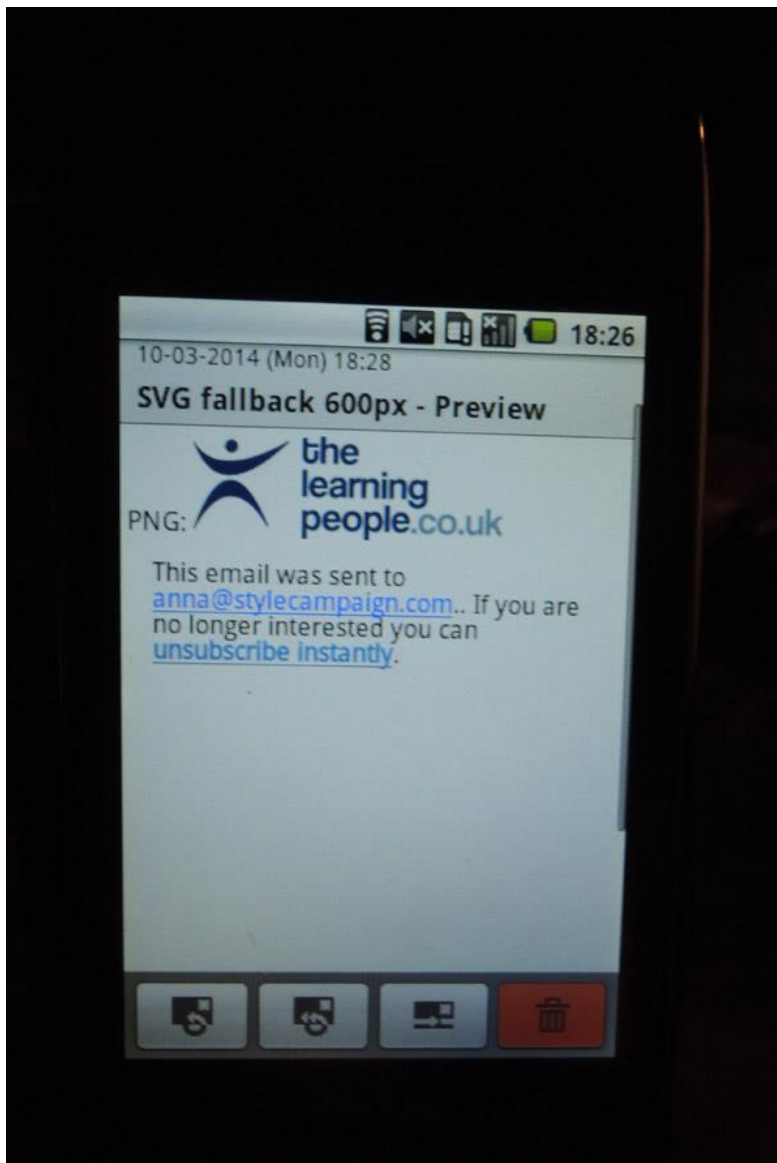
Palm Pixi Plus, running Palm web OS v1.4.5: [Support PNG](#)

# Screenshots

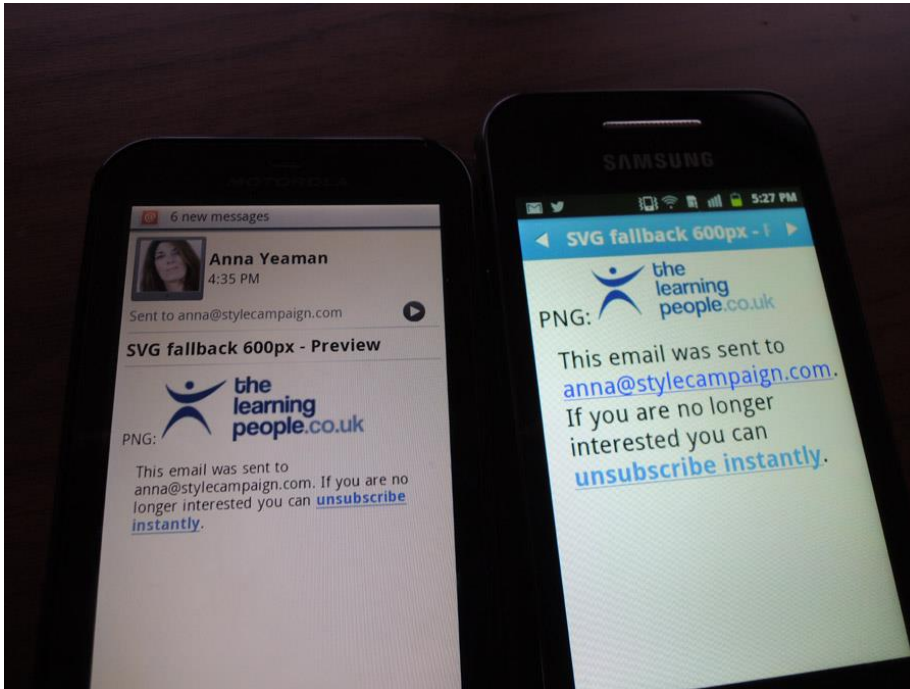
Below are a section of screenshots from this QA. If you'd like to see a specific screenshot from our testing lab, email [anna@stylecampaign.com](mailto:anna@stylecampaign.com).

## Android

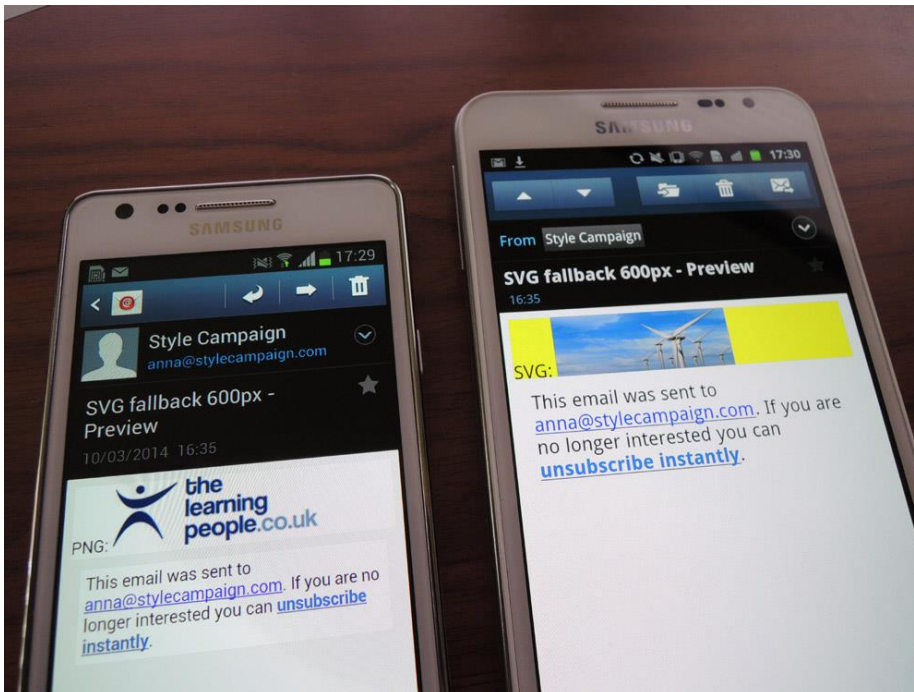
**Super old Droid: Android native 2.1 LG GT540 - 2.1 Eclair:**



**Older Droid: Android native Motorola Defy - 2.2.2 Froyo and Android native Samsung Galaxy Ace GB 2.3.6:**



**Newish Droid: Android native Galaxy S2 Jellybean 4.1.2 and Galaxy Note Android 2.3.6 GB native (windmills = JS hack):**



## Kindle Fire 8.9" HD native

Alexander's 7th Kindle 3 10:14 AT&T 83%

< Stylecampaign  
Inbox

Delete Respond ▾ New

Anna Yeaman

[Details](#)

### SVG fallback 600px - Preview

9:58am, March 11, 2014



This email was sent to anna@stylecampaign.com. If you are no longer interested you can [unsubscribe instantly](#).

< Newer

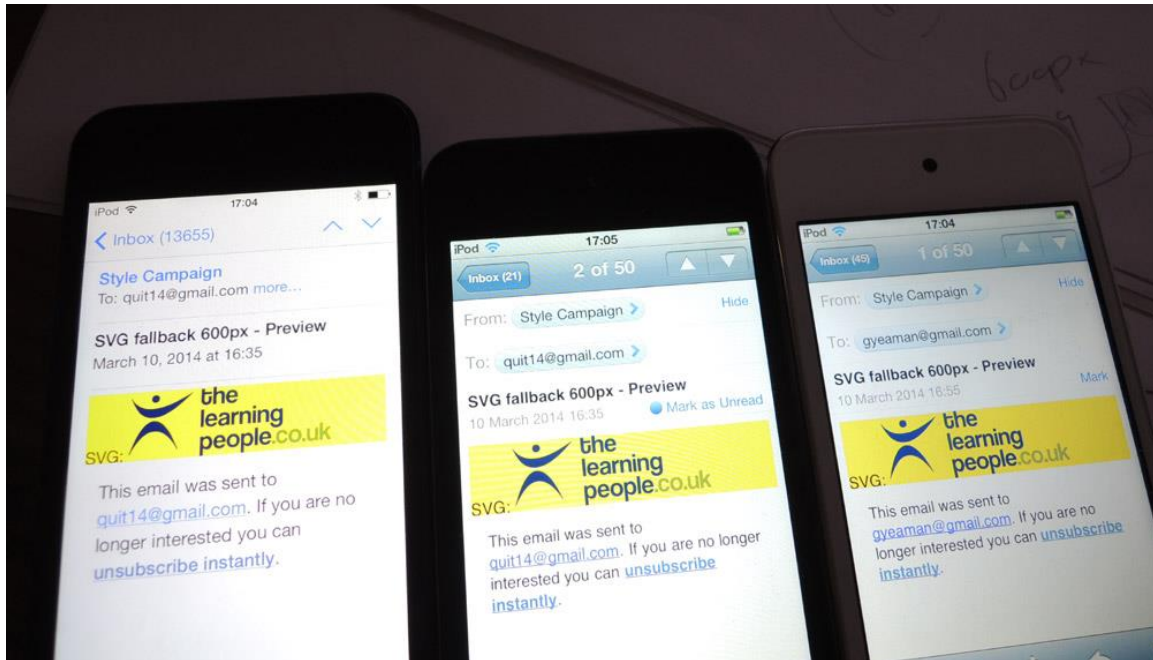
9 of 11

Older >

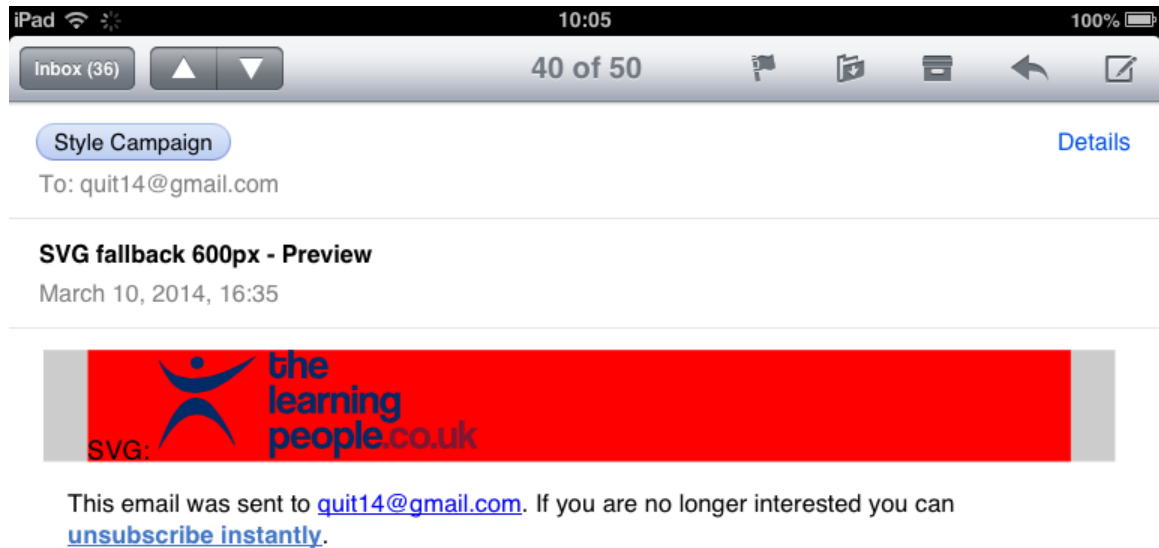


# iOS

iPod5 running iOS7 (tall screen) Native, iPod running iOS 4.3.5 (black phone) native and iPod running iOS 5.1.1 (white phone) Native:

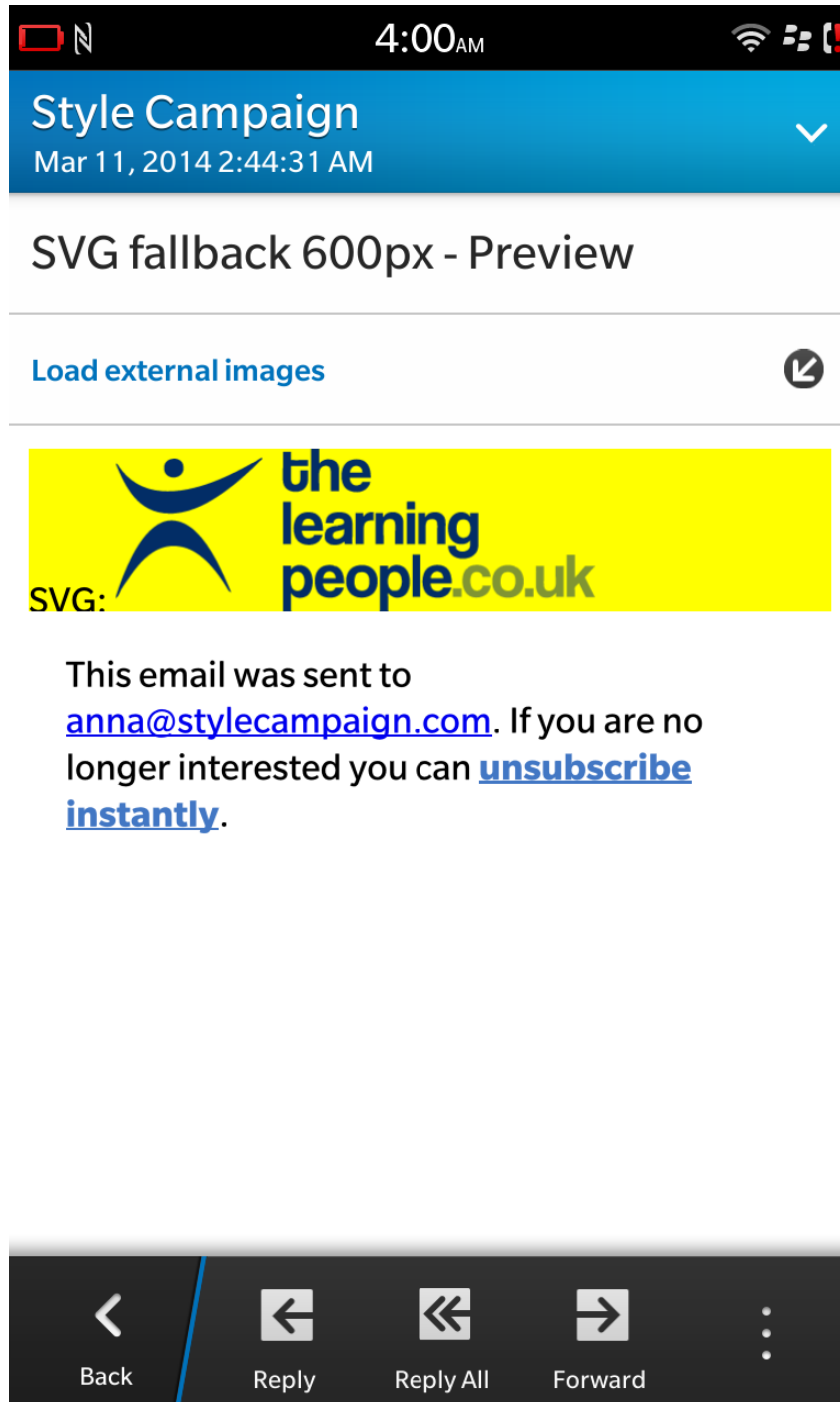


## iPad Mini running iOS 6.1.2 native

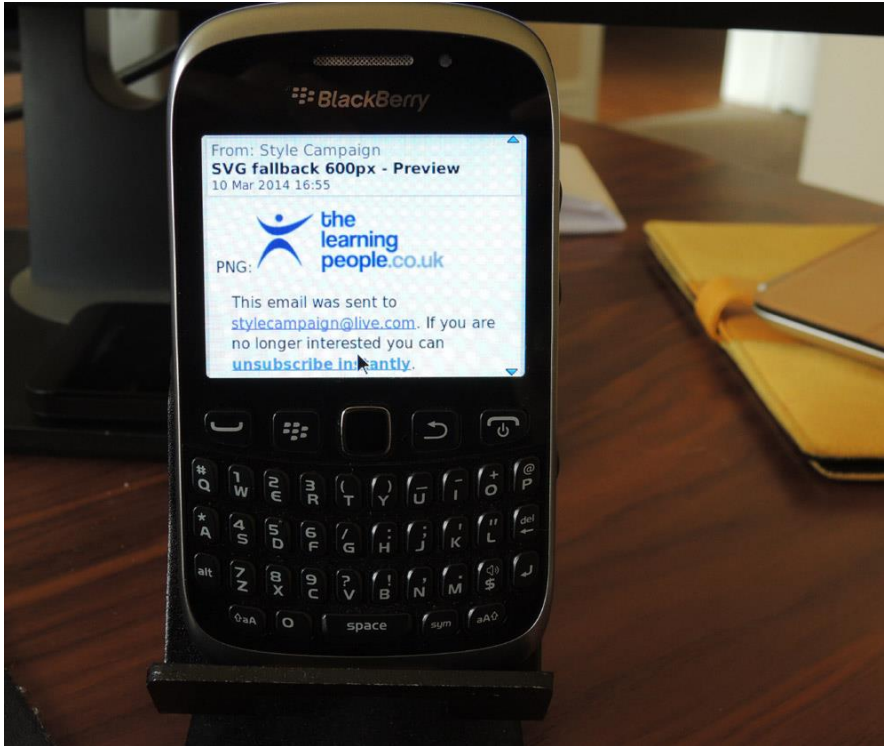


BB

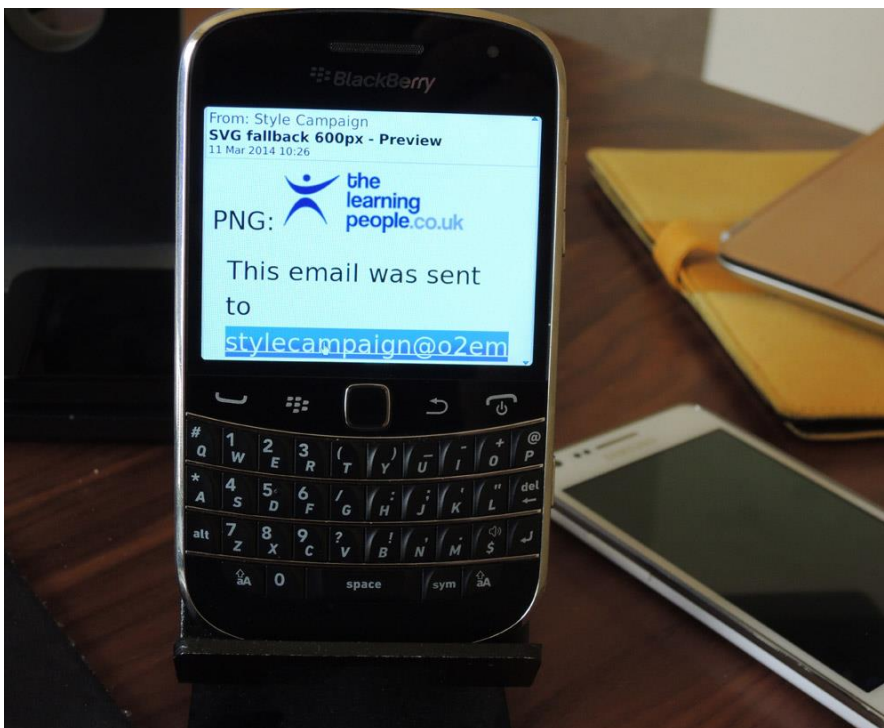
BB Z10



## BB Curve 7.1

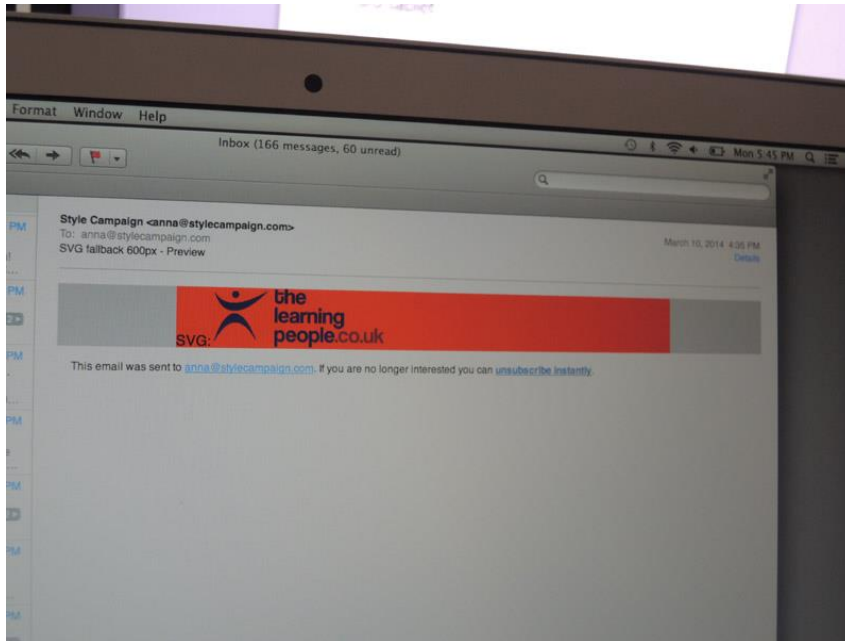


## BB Bold 9900 7.1

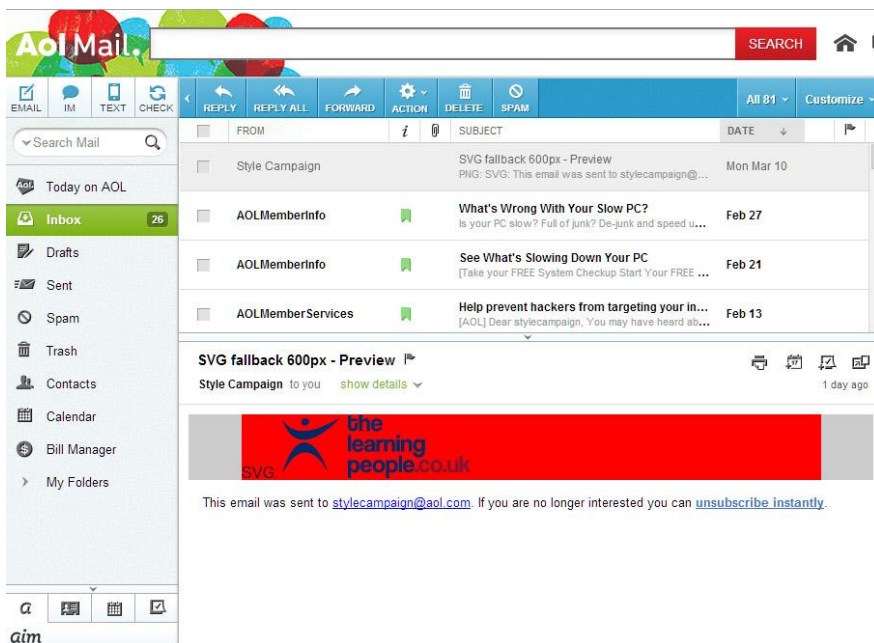


# Desktop

## Apple Mail 5.2 (MacBook Air):



## AOL under Chrome



# Supporting reading:

<http://stylecampaign.com/blog/2014/01/basics-of-svg-in-email/>

<http://stylecampaign.com/blog/2014/02/svg-animation/>

<http://emailcodegeek.com/svg-images/>

This was our starting point, though it failed on some older 2.3 Android devices. The code in this QA takes a different approach, and fixed the issues we were seeing.

## QA Question?

Part of the StyleCampaign mobile device lab / currently 33 phones and tablets.



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