

# iPad Accessibility feature: Grayscale (iOS v8.4)

## Introduction

Grayscale changes the iPad's display color to shades of gray, which can increase readability for some users.

## Learning Objectives

Completion of this tutorial will give you experience with the following:

- An ability to turn on and use Grayscale Accessibility.

## This tutorial assumes

- An iPad with iOS 8.4 or later version
- An internet connection is required for some aspects of this activity however is not necessary. Earlier versions of IOS may also work however they are not covered by the scope of this information.


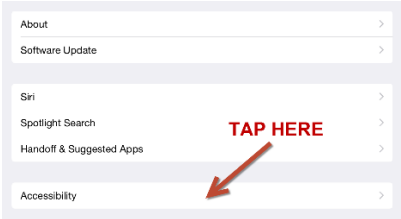
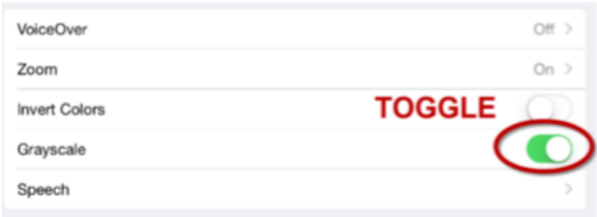

## Case Study:


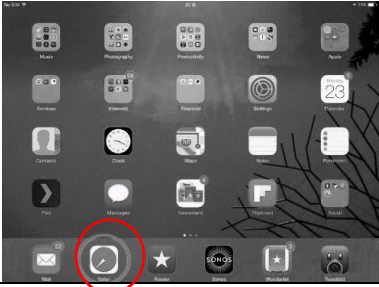

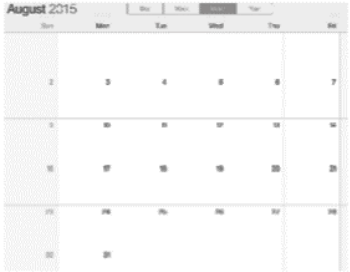

Hakeem is a Kindergarten student who is colour blind. Hakeem is fully integrated and does not receive any kind of support other than his classroom teacher. When the class is working on their SET BC iPad classroom project, Hakeem's teacher must make sure the iPad he uses is set in Grayscale so that he can easily identify and track on the iPad. His teacher has to provide different verbal prompts some of the time for Hakeem to navigate around the iPad.

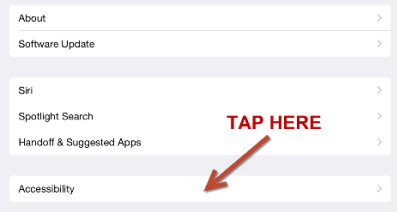
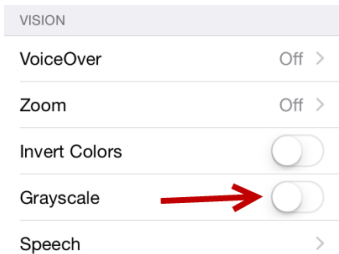

## Vision Features explained

- Zoom controller (you can control the power of the zoom, resize your lens or even add filters. So now, you could create a lens that zooms and gives you a higher contrast.
- Invert Colors (for more contrast)
- Larger Text (to increase just the text font size).
- Bold Text creates bold text in apps, the keyboard and the calculator (not just in eBooks).
- Button Shapes, which highlights buttons and links throughout the iPad or iPhone making them much easier to see.
- Grayscale is another way to make the screen clearer for users with low vision.

## Using the accessible iOS feature of an iPad – Grayscale

<p>1</p>	<p>From the iPad’s Home Screen, find and tap on the <b>Settings</b> icon to access the Settings Menu.</p>	 <p>The image shows the Settings application icon, which is a gray gear with a white center, labeled "Settings" below it.</p>
<p>2</p>	<ol style="list-style-type: none"> <li>1. On the left scroll down menu, locate and tap <b>General Settings</b>.</li> <li>2. On the right scroll down menu locate and Tap <b>Accessibility</b> to access the iPad’s Accessibility Settings Menu.</li> </ol>	 <p>The image shows a portion of the iOS Settings menu. The "Accessibility" option at the bottom is highlighted with a red arrow and the text "TAP HERE". Other visible options include About, Software Update, Siri, Spotlight Search, and Handoff &amp; Suggested Apps.</p>
<p>3</p>	<p>Locate the <i>Vision</i> Settings in the right scroll down menu, then locate the <b>Grayscale</b> setting. Slide the <b>toggle</b> to the right (green) position to turn the Grayscale setting on.</p>	 <p>The image shows the "Vision" settings page in iOS. The "Grayscale" toggle is turned on, indicated by a green switch and a red circle around it. The word "TOGGLE" is written in red above the switch. Other settings visible include VoiceOver (Off), Zoom (On), Invert Colors, and Speech.</p>
<p>4</p>	<p>Push the <b>Home Button</b> once to exit the menu.</p>	 <p>The image shows the bottom of an iPad with the Home button. A line points from the word "Home" to the physical button.</p>

<p>5</p>	<p>Notice that all of the screen icons, type fonts, and background colors have now been unsaturated, leaving only shades of gray.</p>	
<p>6</p>	<p>Next open the <b>Safari Browser</b> and navigate to <a href="http://www.setbc.org">www.setbc.org</a>.</p>	
<p>7</p>	<p>Once again notice that all of the screen icons, type fonts and background colors have been unsaturated. Note that the colors of photographs and other graphics have also been unsaturated.</p>	
<p>8</p>	<p>Try opening Calendar. Notice the different look and feel that the Grayscale setting provides.</p>	
<p>9</p>	<p>Try opening Notes. Notice the different look and feel that the Grayscale setting provides.</p>	

<p>10</p>	<p>Once you have finished exploring this setting, remember to go back to the <b>Accessibility Settings Menu</b> to turn the feature back off.</p>	
<p>11</p>	<p>Slide the toggle to the left (grey) position to turn the Grayscale setting off.</p>	
<p>12</p>	<p>Push the <b>Home Button</b> once to exit the Settings Menu.</p>	

## TASK

After practicing with Grayscale answer the following questions in your group.

1. Would you only use this feature with vision students?
2. When would you want to use this setting with students? Write one potential advantage for using this setting with students.
3. What might be some cautions for using this setting with students?
4. Would this be beneficial to show all students?



Tip...

If you like, add an implementation tip here.

<http://www.setbc.org/2015/11/ipad-accessibility-2015/#1453740742922-b1a8614a-3aac>

<http://www.imore.com/how-enable-grayscale-visual-accessibility-your-iphone-or-ipad>