

# Converting Colors

YIQ(84.0750, -4.5850, 0.4950)

Have a look what the booklet for  
YIQ(84.0750, -4.5850, 0.4950)  
contains.

<b>YIQ(84.0750, -4.5850, 0.4950)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(84.0750, -4.5850,  
0.4950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50555A
RGB	80, 85, 90
RGB Percent	31%, 33%, 35%
CMY	0.6863, 0.6667, 0.6471
CMYK	0.11, 0.06, 0.00, 0.65
HSL	210°, 6%, 33%
HSV	210°, 11%, 35%
XYZ	8.4020, 8.9408, 10.9545
YIQ	84.0750, -4.5850, 0.4950

# Conversions

## Conversions Part 2

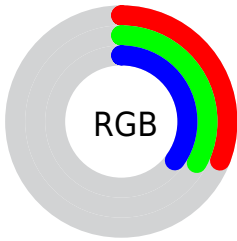
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 83, 90
Decimal	5264730
CIE <sub>Lab</sub>	35.87, -0.85, -3.59
CIE <sub>LCh</sub>	36, 3.687, 256.749
Yxy	8.9408, 0.2969, 0.3160
Android (android.graphics.Color)	4283454810 (0xFF50555A)
YUV	84.0750, 2.9210, -3.5738
Hunter-Lab	29.9012, -2.1701, -0.7905

# Details

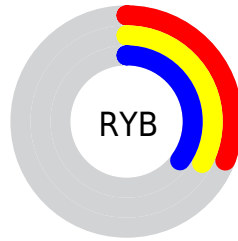
The YIQ color **84.0750, -4.5850, 0.4950** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **85.9250, 4.5850, -0.4950**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **133.7760, -5.1810, 0.2830**, and **38.9610, -4.2640, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **79.0360, -8.8490, 0.6790**, and if you desaturate by 10%, it is **89.1140, -0.3210, 0.3110**.

# Distribution



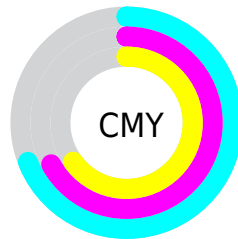
- Red (31%)
- Green (33%)
- Blue (35%)



- Red (31%)
- Yellow (33%)
- Blue (35%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (65%)



- Cyan (69%)
- Magenta (67%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.0750, -4.5850, 0.4950 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 84.0750, -4.5850, 0.4950 by changing the saturation by 10% instead.



■ 84.0750, -4.5850,  
0.4950

■ 84.0750, -4.5850,  
0.4950

■ 255.0000, -0.0000,  
-0.0000

■ 61.0750, -4.5850,  
0.4950

■ 133.7760, -5.1810,  
0.2830

■ 38.9610, -4.2640,  
0.1840

■ 159.7760, -5.1810,  
0.2830

■ 18.6620, -4.8600,  
-0.0280

■ 186.7760, -5.1810,  
0.2830

■ 0.0000, 0.0000,  
0.0000

■ 214.1890, -4.9060,  
0.8060

■ 242.8900, -5.5020,  
0.5940

■ 84.0750, -4.5850,  
0.4950

■ 84.0750, -4.5850,  
0.4950

■ 79.0360, -8.8490,  
0.6790

■ 89.1140, -0.3210,  
0.3110

■ 73.4100, -12.8380,  
1.3860

■ 94.7400, 3.6680,  
-0.3960

■ 68.3710, -17.1020,  
1.5700

■ 99.7790, 7.9320,  
-0.5800

■ 62.7450, -21.0910,  
2.2770

■ 105.4050, 11.9210,  
-1.2870

■ 57.7060, -25.3550,  
2.4610

■ 110.4440, 16.1850,  
-1.4710

■ 52.0800, -29.3440,  
3.1680

■ 116.0700, 20.1740,  
-2.1780

■ 47.0410, -33.6080,  
3.3520

■ 121.1090, 24.4380,  
-2.3620

■ 41.4150, -37.5970,

■ 126.7350, 28.4270,

4.0590

-3.0690

■ 36.6750, -41.2650,  
4.4550

■ 131.7740, 32.6910,  
-3.2530

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9500, -5.7310, -0.7630



84.0750, -4.5850, 0.4950



84.3850, -2.5220, 1.6540

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0750, -4.5850, 0.4950



84.8050, 5.0430, 2.2190



84.1200, -0.4580, -2.7140

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84.0750, -4.5850, 0.4950



85.9250, 4.5850, -0.4950

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3160, 1.9260, -1.8660



84.0750, -4.5850, 0.4950



84.7510, 5.1350, 0.5510

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0750, -4.5850, 0.4950



85.4350, 3.2090, 2.4170



84.6260, 3.9890, -0.7070



83.5650, -3.2090, -2.4170



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0750, -4.5850, 0.4950



84.5810, -0.1380, 2.5020



84.6260, 3.9890, -0.7070



83.8320, 0.4130, -1.9790

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84.0750, -4.5850, 0.4950



115.5160, -1.5130, -0.1130



86.4400, -4.3550, -3.6750



56.9290, -1.2380, 0.4100



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0750, -4.5850, 0.4950



108.4060, -7.0150, 0.4810



81.1400, -3.2100, 3.1100



43.3310, -2.4300, -0.0140



44.8250, -50.4350, 5.4450



96.8710, -108.8020, 11.4700



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83.5600, 4.3550, 3.6750



107.3970, 6.3720, 5.6680



88.8600, 3.2100, -3.1100



42.8370, 2.0170, 1.9930



39.1600, 47.9050, 40.4250

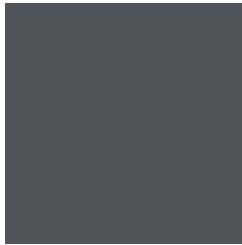


84.4290, 103.0530, 87.2530



# Previews

## White Background



This preview shows how the YIQ color 84.0750, -4.5850, 0.4950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

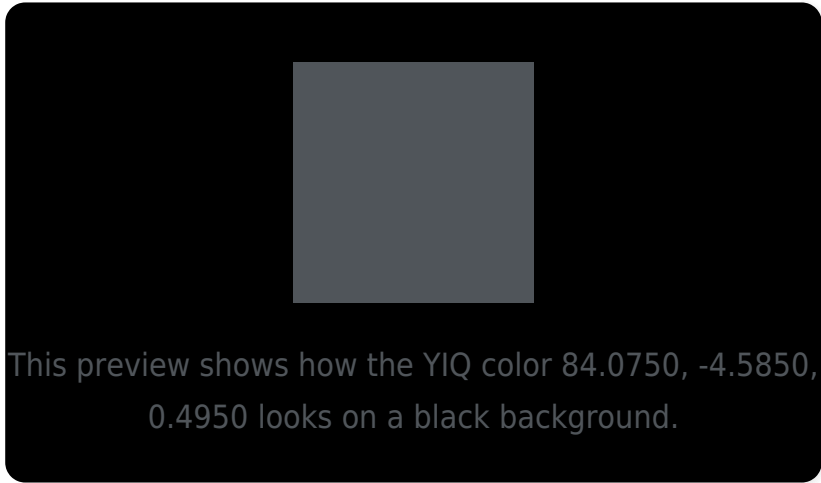
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

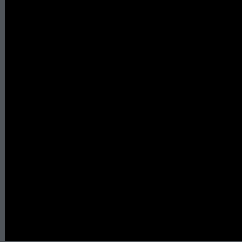
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

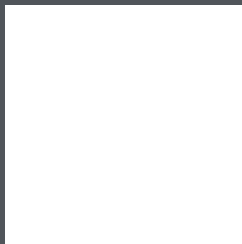
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 84.0750, -4.5850, 0.4950**

## **Background**



This preview shows how black text looks on a background with the YIQ color 84.0750, -4.5850, 0.4950.



This preview shows how white text looks on a background with the YIQ color 84.0750, -4.5850,

0.4950.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.0750, -4.5850, 0.4950

### Protanopia

84.5700, -1.6050, 1.5550

### Deuteranopia

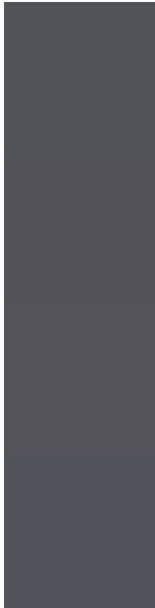
85.4180, 1.8790, 4.4950



## Tritanopia

84.1890, -4.9060, 0.8060

# Trichromacy



## Original Color

84.0750, -4.5850, 0.4950

## Protanomaly

84.2710, -2.2010, 1.3430

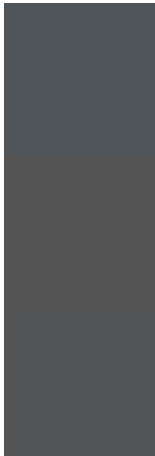
## Deuteranomaly

84.8090, -0.7800, 3.1240

## Tritanomaly

84.1890, -4.9060, 0.8060

# Monochromacy



## Original Color

84.0750, -4.5850, 0.4950

## Achromatopsia

84.0000, -0.0000, -0.0000

## Achromatomaly

83.9290, -1.2380, 0.4100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.0750, -4.5850, 0.4950 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(80, 85, 90)` looks like.

```
.text, #text, p{  
    color:rgb(80, 85, 90)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(80, 85, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 85, 90) }
```

## Border

The CSS property to change the border of an element to YIQ 84.0750, -4.5850, 0.4950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(80, 85, 90) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(80, 85, 90) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(80, 85, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 85, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 85, 90);  
box-shadow:4px 4px 4px 4px rgb(80, 85, 90)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 84.0750, -4.5850, 0.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 85, 90) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(80, 85,  
90) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor