

# Converting Colors

YIQ(103.9450, -8.4760,  
-33.6280)

Have a look what the booklet for  
YIQ(103.9450, -8.4760, -33.6280)  
contains.

<b>YIQ(103.9450, -8.4760, -33.6280)</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(103.9450, -8.4760,  
-33.6280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B8038
RGB	75, 128, 56
RGB Percent	29%, 50%, 22%
CMY	0.7061, 0.4979, 0.7804
CMYK	0.41, 0.00, 0.56, 0.50
HSL	104°, 39%, 36%
HSV	104°, 56%, 50%
XYZ	11.3342, 17.2238, 6.4692
YIQ	103.9450, -8.4760, -33.6280

# Conversions

## Conversions Part 2

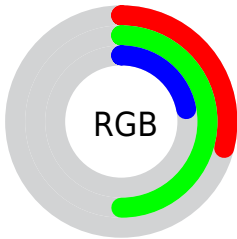
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	56, 128, 109
Decimal	4948024
CIE <sub>Lab</sub>	48.54, -32.09, 33.24
CIE <sub>LCh</sub>	49, 46.197, 133.993
Yxy	17.2238, 0.3236, 0.4917
Android (android.graphics.Color)	4283138104 (0xFF4B8038)
<b>YUV</b>	103.9450, -23.6369, -25.3848
Hunter-Lab	41.5015, -23.8786, 19.8090

# Details

The YIQ color **103.9450, -8.4760, -33.6280** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **80.0550, 8.4760, 33.6280**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **156.1900, -7.7880, -35.0840**, and **53.1620, -10.5850, -33.9530** is the 20% darker color. If you saturate the color by 10%, you get **99.7720, -9.6670, -39.5790**, and if you desaturate by 10%, it is **108.1180, -7.2850, -27.6770**.

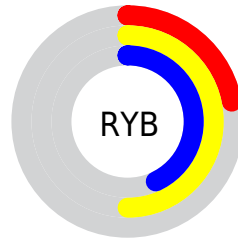
# Distribution



Red (29%)

Green (50%)

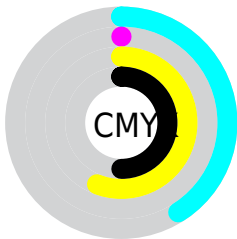
Blue (22%)



Red (22%)

Yellow (50%)

Blue (43%)

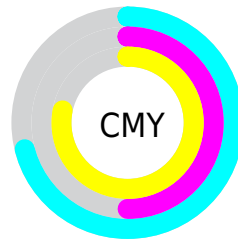


Cyan (41%)

Magenta (0%)

Yellow (56%)

Black (50%)



Cyan (71%)

Magenta (50%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.9450, -8.4760, -33.6280 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 103.9450, -8.4760, -33.6280 by changing the saturation by 10% instead.



■ 103.9450, -8.4760,  
-33.6280

■ 103.9450, -8.4760,  
-33.6280

■ 255.0000, -0.0000,  
-0.0000

■ 78.7600, -9.3930,  
-33.5290

■ 156.1900, -7.7880,  
-35.0840

■ 53.1620, -10.5850,  
-33.9530

■ 183.6630, -7.7420,  
-35.9180

■ 32.2850, -15.1250,  
-28.7650

■ 211.4350, -7.1000,  
-36.5400

■ 20.5450, -9.6250,  
-18.3050

■ 233.5650, -4.3500,  
-31.3100

■ 0.0000, 0.0000,  
0.0000

■ 245.4280, 3.9460,  
-16.4540

■ 253.4040, 4.4940,

-4.3540

■ 103.9450, -8.4760,  
-33.6280

■ 103.9450, -8.4760,  
-33.6280

■ 99.7720, -9.6670,  
-39.5790

■ 108.1180, -7.2850,  
-27.6770

■ 95.3000, -11.4540,  
-45.7420

■ 112.5900, -5.4980,  
-21.5140

■ 91.2410, -12.9660,  
-51.3820

■ 116.6490, -3.9860,  
-15.8740

■ 86.7690, -14.7530,  
-57.5450

■ 121.1210, -2.1990,  
-9.7110

■ 85.3020, -14.9360,  
-59.7360

■ 125.2940, -1.0080,  
-3.7600

■ 129.7660, 0.7790,  
2.4030

■ 133.9390, 1.9700,  
8.3540

■ 137.9980, 3.4820,  
13.9940

■ 142.4700, 5.2690,  
20.1570

# Harmonies

## Analogous

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



109.1960, 27.6060, -26.7460



103.9450, -8.4760, -33.6280



88.5590, -66.1070, -40.9470

# Triad

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



103.9450, -8.4760, -33.6280



95.0350, -95.3650, -6.2850



114.1590, 57.6730, 28.5930

# Complementary

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



103.9450, -8.4760, -33.6280



80.0550, 8.4760, 33.6280

# 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.



117.0770, 37.7730, 36.8210



103.9450, -8.4760, -33.6280



111.1280, -46.4940, 16.6260

# Square

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



103.9450, -8.4760, -33.6280



96.7500, -90.5490, -16.4770



118.7060, 2.1490, 32.6530



113.2340, 61.1150, 10.2590



# Rectangle

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



103.9450, -8.4760, -33.6280



92.2240, -75.0490, -33.0730



118.7060, 2.1490, 32.6530



114.7550, 53.1790, 32.9470

# Sweetspot

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



103.9450, -8.4760, -33.6280



156.5290, -3.5280, -13.1600



108.6390, 28.3370, -12.4550



78.4740, -1.6950, -7.8310



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



103.9450, -8.4760, -33.6280



128.3010, -13.1950, -52.7390



100.2020, -25.2570, -32.3690



61.7070, -0.7330, -3.2370



85.3020, -14.9360, -59.7360



0.0000, 0.0000, 0.0000



# Inverse Universe

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



80.0550, 8.4760, 33.6280



90.6990, 13.1950, 52.7390



83.7980, 25.2570, 32.3690



59.2930, 0.7330, 3.2370



42.6980, 14.9360, 59.7360



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 103.9450, -8.4760, -33.6280 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 × Fail



# Black Background



This preview shows how the YIQ color 103.9450, -8.4760, -33.6280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

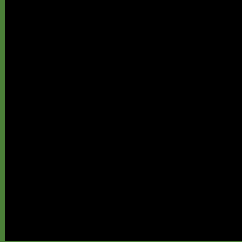
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 103.9450, -8.4760, -33.6280**

## **Background**



This preview shows how black text looks on a background with the YIQ color 103.9450, -8.4760, -33.6280.



This preview shows how white text looks on a background with the YIQ color 103.9450, -8.4760,

-33.6280.

# 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

103.9450, -8.4760, -33.6280

### Protanopia

111.4060, 27.3750, -17.0490

### Deuteranopia

113.0960, 34.4800, -8.1440



## Tritanopia

111.5720, -22.2820, -3.6740

# Trichromacy



## Original Color

103.9450, -8.4760, -33.6280

## Protanomaly

108.7740, 14.3550, -23.3810

## Deuteranomaly

109.8010, 18.8930, -17.5150

## Tritanomaly

108.7600, -17.4200, -14.7000

# Monochromacy



## Original Color

103.9450, -8.4760, -33.6280

## Achromatopsia

104.0000, -0.0000, -0.0000

## Achromatomaly

104.0560, -3.5740, -12.3260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.9450, -8.4760, -33.6280 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(75, 128, 56)` looks like.

```
.text, #text, p{  
    color:rgb(75, 128, 56)  
}
```

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(75, 128, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 128, 56) }
```

## Border

The CSS property to change the border of an element to YIQ 103.9450, -8.4760, -33.6280 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(75, 128, 56) }
```



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

```
.border{ border-color:rgb(75, 128, 56) }
```

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

Here you see how a box with a 4 pixel rgb(75, 128, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 128, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 128, 56);  
box-shadow:4px 4px 4px 4px rgb(75, 128,  
56) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.9450, -8.4760, -33.6280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 128, 56) }
```

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

```
.background{ background-color: rgb(75, 128,  
56) }
```

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