

# Converting Colors

YIQ(103.8550, 10.7740, 2.9820)

Have a look what the booklet for  
YIQ(103.8550, 10.7740, 2.9820)  
contains.

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# Color

**YIQ(103.8550, 10.7740,  
2.9820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	746361
RGB	116, 99, 97
RGB Percent	45%, 39%, 38%
CMY	0.5451, 0.6118, 0.6196
CMYK	0.00, 0.15, 0.16, 0.55
HSL	6°, 9%, 42%
HSV	6°, 16%, 45%
XYZ	13.8231, 13.4993, 13.1891
YIQ	103.8550, 10.7740, 2.9820

# Conversions

## Conversions Part 2

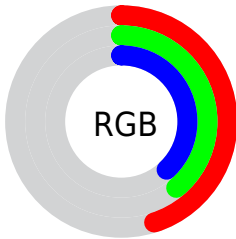
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 99, 97
Decimal	7627617
CIE Lab	43.51, 6.45, 3.64
CIE LCh	44, 7.406, 29.434
Yxy	13.4993, 0.3412, 0.3332
Android (android.graphics.Color)	4285817697 (0xFF746361)
YUV	103.8550, -3.3795, 10.6512
Hunter-Lab	36.7414, 2.8593, 4.4356

# Details

The YIQ color **103.8550, 10.7740, 2.9820** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **109.1450, -10.7740, -2.9820**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **155.1540, 11.3700, 3.1940**, and **56.6700, 9.8570, 3.0810** is the 20% darker color. If you saturate the color by 10%, you get **96.6170, 17.3760, 4.4800**, and if you desaturate by 10%, it is **111.0930, 4.1720, 1.4840**.

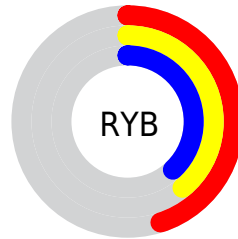
# Distribution



Red (45%)

Green (39%)

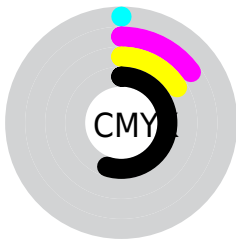
Blue (38%)



Red (45%)

Yellow (39%)

Blue (38%)

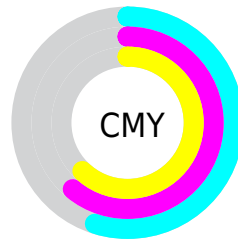


Cyan (0%)

Magenta (15%)

Yellow (16%)

Black (55%)



Cyan (55%)

Magenta (61%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.8550, 10.7740, 2.9820 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 103.8550, 10.7740, 2.9820 by changing the saturation by 10% instead.



■ 103.8550, 10.7740,  
2.9820

■ 103.8550, 10.7740,  
2.9820

255.0000, -0.0000,  
-0.0000

■ 79.5560, 10.1780,  
2.7700

■ 155.1540, 11.3700,  
3.1940

■ 56.6700, 9.8570,  
3.0810

■ 181.4530, 11.9660,  
3.4060

■ 35.0720, 8.6650,  
2.6570

■ 209.4530, 11.9660,  
3.4060

■ 12.3390, 12.2870,  
3.0950

■ 237.7520, 12.5620,  
3.6180

■ 0.0000, 0.0000,  
0.0000

■ 103.8550, 10.7740,

■ 103.8550, 10.7740,

2.9820

■ 96.6170, 17.3760,  
4.4800

■ 88.9060, 23.9320,  
6.8120

■ 81.6680, 30.5340,  
8.3100

■ 73.9570, 37.0900,  
10.6420

■ 66.7190, 43.6920,  
12.1400

■ 59.4810, 50.2940,  
13.6380

■ 51.7700, 56.8500,  
15.9700

■ 44.5320, 63.4520,  
17.4680

2.9820

■ 111.0930, 4.1720,  
1.4840

■ 118.8040, -2.3840,  
-0.8480

■ 126.0420, -8.9860,  
-2.3460

■ 133.7530,  
-15.5420, -4.6780

■ 140.9910,  
-22.1440, -6.1760

■ 148.2290,  
-28.7460, -7.6740

■ 155.9400,  
-35.3020, -10.0060

■ 163.1780,  
-41.9040, -11.5040

■ 41.7280, 65.8360,  
18.3160

■ 170.8890,  
-48.4600, -13.8360

# Harmonies

## Analogous

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



104.2400, 8.2520, 4.6360



103.8550, 10.7740, 2.9820



102.9750, 10.3160, 0.2680

# Triad

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



103.8550, 10.7740, 2.9820



101.2720, -3.9420, -5.6540



102.2750, -8.0240, 2.2480

# Complementary

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



103.8550, 10.7740, 2.9820



109.1450, -10.7740, -2.9820

# 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.



101.4270, -11.5080, -0.6920



103.8550, 10.7740, 2.9820



100.4610, -8.8480, -4.8480

# Square

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



103.8550, 10.7740, 2.9820



101.7350, 2.0640, -4.3680



100.6610, -12.2870, -3.0950



103.2650, -2.0640, 4.3680



# Rectangle

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



103.8550, 10.7740, 2.9820



103.1380, 8.2990, -1.7250



100.6610, -12.2870, -3.0950



102.2640, -9.4910, 1.3010

# Sweetspot

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



103.8550, 10.7740, 2.9820



145.6800, 3.8970, 0.9610



104.6190, 5.8670, 9.3150



73.4950, 2.9800, 1.0600



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



103.8550, 10.7740, 2.9820



131.3180, 16.7800, 4.2680



109.1380, 8.2990, -1.7250



54.7940, 3.5760, 1.2720



44.1090, 69.1370, 19.0650



90.0120, 141.8500, 39.4020



# Inverse Universe

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



109.1450, -10.7740, -2.9820



139.2690, -17.0550, -4.7910



103.8620, -8.2990, 1.7250



56.6190, -3.3010, -0.7490



78.4780, -69.4120, -19.5880



159.9880, -141.8500, -39.4020



# Previews

## White Background



This preview shows how the YIQ color 103.8550, 10.7740, 2.9820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

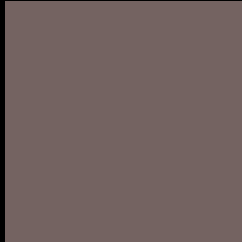
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 103.8550, 10.7740, 2.9820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

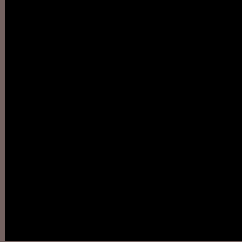
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 103.8550, 10.7740, 2.9820

## Background



This preview shows how black text looks on a background with the YIQ color 103.8550, 10.7740, 2.9820.



This preview shows how white text looks on a background with the YIQ color 103.8550, 10.7740,



# 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

103.8550, 10.7740, 2.9820

### Protanopia

102.8540, 3.3470, -0.0850

### Deuteranopia

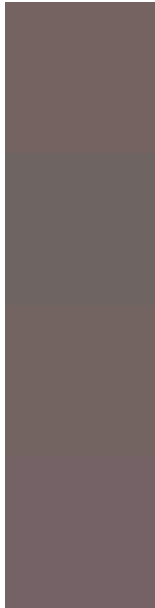
103.5560, 10.1780, 2.7700



## Tritanopia

104.4790, 9.0770, 6.2050

# Trichromacy



## Original Color

103.8550, 10.7740, 2.9820

## Protanomaly

103.3490, 6.3270, 0.9750

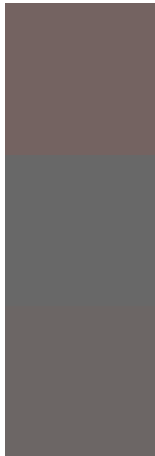
## Deuteranomaly

103.5560, 10.1780, 2.7700

## Tritanomaly

104.1370, 10.0400, 5.2720

# Monochromacy



## Original Color

103.8550, 10.7740, 2.9820

## Achromatopsia

104.0000, -0.0000, -0.0000

## Achromatomaly

103.6800, 3.8970, 0.9610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.8550, 10.7740, 2.9820 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(116, 99, 97)` looks like.

```
.text, #text, p{  
    color:rgb(116, 99, 97)  
}
```

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(116, 99, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 99, 97) }
```

## Border

The CSS property to change the border of an element to YIQ 103.8550, 10.7740, 2.9820 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(116, 99, 97) }
```



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

```
.border{ border-color:rgb(116, 99, 97) }
```

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

Here you see how a box with a 4 pixel rgb(116, 99, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 99, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 99, 97);  
box-shadow:4px 4px 4px 4px rgb(116, 99,  
97) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.8550, 10.7740, 2.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 99, 97) }
```

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

```
.background{ background-color: rgb(116, 99,  
97) }
```

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](#).

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