

# Converting Colors

YIQ(136.5610, 38.1450, 8.0410)

Have a look what the booklet for  
YIQ(136.5610, 38.1450, 8.0410)  
contains.

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# Color

**YIQ(136.5610, 38.1450,  
8.0410)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B2796C
RGB	178, 121, 108
RGB Percent	70%, 47%, 42%
CMY	0.3018, 0.5256, 0.5763
CMYK	0.00, 0.32, 0.39, 0.30
HSL	11°, 31%, 56%
HSV	11°, 39%, 70%
XYZ	27.9110, 24.2213, 17.4030
YIQ	136.5610, 38.1450, 8.0410

# Conversions

## Conversions Part 2

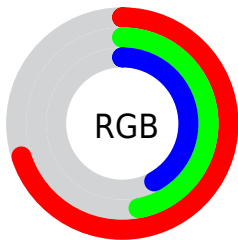
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 124, 108
Decimal	11696492
CIE <sub>Lab</sub>	56.31, 20.66, 16.13
CIE <sub>LCh</sub>	56, 26.215, 37.977
Yxy	24.2213, 0.4014, 0.3483
Android (android.graphics.Color)	4289886572 (0xFFB2796C)
YUV	136.5610, -14.0806, 36.3420
Hunter-Lab	49.2152, 15.1047, 13.4851

# Details

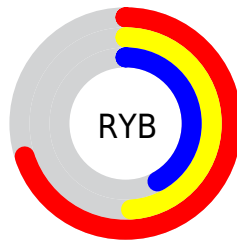
The YIQ color **136.5610, 38.1450, 8.0410** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **149.4390, -38.1450, -8.0410**, and the grayscale version is **137.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **190.5290, 41.1710, 8.2670**, and **85.9950, 33.9270, 7.3910** is the 20% darker color. If you saturate the color by 10%, you get **125.7040, 48.0480, 10.2880**, and if you desaturate by 10%, it is **146.8310, 28.5170, 6.3170**.

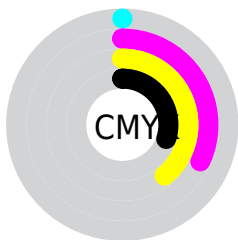
# Distribution



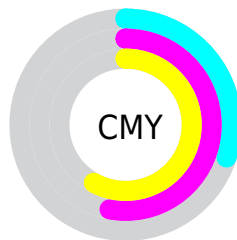
- Red (70%)
- Green (47%)
- Blue (42%)



- Red (70%)
- Yellow (49%)
- Blue (42%)



- Cyan (0%)
- Magenta (32%)
- Yellow (39%)
- Black (30%)




- Cyan (30%)
- Magenta (53%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 136.5610, 38.1450, 8.0410 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 136.5610, 38.1450, 8.0410 by changing the saturation by 10% instead.





 136.5610, 38.1450,  
8.0410


 136.5610, 38.1450,  
8.0410


255.0000, -0.0000,  
-0.0000


 110.7780, 36.0360,  
7.7160


 190.6430, 40.8500,  
8.5780

 85.9950, 33.9270,  
7.3910


 215.4360, 36.9990,  
6.7830


 62.2120, 31.8180,  
7.0660

 235.0640, 20.3110,  
0.8470

 39.1300, 29.1130,  
6.5290

 253.6320, 3.8520,  
-3.7320

 16.4010, 26.9120,  
7.8720

 3.5880, 7.1520,  
2.5440

 0.0000, 0.0000,

0.0000

■ 136.5610, 38.1450,  
8.0410

■ 136.5610, 38.1450,  
8.0410

■ 125.7040, 48.0480,  
10.2880

■ 146.8310, 28.5170,  
6.3170

■ 115.4340, 57.6760,  
12.0120

■ 157.6880, 18.6140,  
4.0700

■ 104.6910, 67.2580,  
14.5700

■ 168.4310, 9.0320,  
1.5120

■ 94.4210, 76.8860,  
16.2940

■ 178.7010, -0.5960,  
-0.2120

■ 83.5640, 86.7890,  
18.5410

■ 189.5580,  
-10.4990, -2.4590

■ 73.2940, 96.4170,  
20.2650

■ 199.8280,  
-20.1270, -4.1830

■ 72.5930, 97.0130,  
20.4770

■ 210.6850,  
-30.0300, -6.4300

■ 220.8410,  
-39.3370, -8.4650

■ 230.2160,  
-45.0670, -14.7550

# Harmonies

## Analogous

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



137.9060, 33.1000, 16.8760



136.5610, 38.1450, 8.0410



135.0730, 33.2870, -3.0410

# Triad

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



136.5610, 38.1450, 8.0410



126.8470, -22.2790, -20.2550



133.8510, -26.9610, 9.5430

# Complementary

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



136.5610, 38.1450, 8.0410



149.4390, -38.1450, -8.0410

# 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.



127.4520, -48.1870, -2.2590



136.5610, 38.1450, 8.0410



123.5810, -44.8370, -18.9250

# Square

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



136.5610, 38.1450, 8.0410



130.4060, 1.0120, -18.3480



122.1100, -56.3920, -13.2560



137.6970, -2.8000, 17.7120



# Rectangle

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



136.5610, 38.1450, 8.0410



133.6650, 25.4480, -9.6560



122.1100, -56.3920, -13.2560



132.0240, -34.9380, 5.4300

# Sweetspot

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



136.5610, 38.1450, 8.0410



215.3070, 15.3130, 3.3210



135.4280, 23.4230, 32.5670



107.5450, 8.7110, 1.8230



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



136.5610, 38.1450, 8.0410



167.3310, 59.4640, 12.6480



157.1060, 28.5200, -10.2640



83.8650, 4.8140, 0.8620



62.1830, 83.4880, 17.7920



10.7090, 14.1210, 2.8970



# Inverse Universe

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



149.4390, -38.1450, -8.0410



187.6690, -59.4640, -12.6480



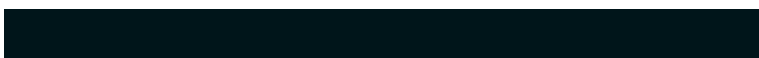
128.8940, -28.5200, 10.2640



85.7220, -5.0890, -1.3850



90.8170, -83.4880, -17.7920



15.2910, -14.1210, -2.8970



# Previews

## White Background



This preview shows how the YIQ color 136.5610, 38.1450, 8.0410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

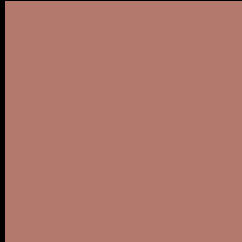
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 136.5610, 38.1450, 8.0410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

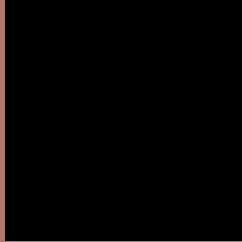
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 136.5610, 38.1450, 8.0410

## Background



This preview shows how black text looks on a background with the YIQ color 136.5610, 38.1450, 8.0410.



This preview shows how white text looks on a background with the YIQ color 136.5610, 38.1450,



# 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

136.5610, 38.1450, 8.0410

### Protanopia

134.8130, 10.5920, -4.7360

### Deuteranopia

135.6360, 24.3920, -1.5280



## Tritanopia

137.5640, 34.0630, 15.9430

# Trichromacy



## Original Color

136.5610, 38.1450, 8.0410

## Protanomaly

135.4230, 20.6780, -0.2980

## Deuteranomaly

136.0820, 29.0680, 1.8360

## Tritanomaly

137.0540, 35.4390, 13.0310

# Monochromacy



## Original Color

136.5610, 38.1450, 8.0410

## Achromatopsia

137.0000, -0.0000, 0.0000

## Achromatomaly

136.7090, 14.1210, 2.8970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 136.5610, 38.1450, 8.0410 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(178, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(178, 121, 108)  
}
```

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(178, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 121, 108) }
```

## Border

The CSS property to change the border of an element to YIQ 136.5610, 38.1450, 8.0410 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(178, 121, 108) }
```



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

```
.border{ border-color:rgb(178, 121, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 121, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 121, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 121, 108);  
box-shadow:4px 4px 4px 4px rgb(178, 121,  
108) }
```

# Background

The CSS property to change the background color of an element to YIQ 136.5610, 38.1450, 8.0410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 121, 108) }
```

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

```
.background{ background-color: rgb(178,  
121, 108) }
```

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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