

# Converting Colors

YIQ(80.5660, 47.7760, -6.8160)

Have a look what the booklet for  
YIQ(80.5660, 47.7760, -6.8160)  
contains.

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# Color

**YIQ(80.5660, 47.7760,  
-6.8160)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A4810
RGB	122, 72, 16
RGB Percent	48%, 28%, 6%
CMY	0.5215, 0.7177, 0.9370
CMYK	0.00, 0.41, 0.87, 0.52
HSL	32°, 77%, 27%
HSV	32°, 87%, 48%
XYZ	10.4390, 8.8087, 1.6426
YIQ	80.5660, 47.7760, -6.8160

# Conversions

## Conversions Part 2

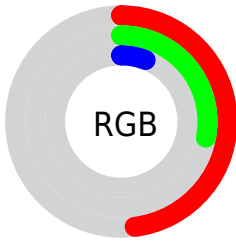
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">111, 122, 16</a>
Decimal	<a href="#">8013840</a>
CIELab	<a href="#">35.61, 16.98, 39.57</a>
CIELCh	<a href="#">36, 43.058, 66.780</a>
Yxy	<a href="#">8.8087, 0.4997, 0.4217</a>
Android (android.graphics.Color)	<a href="#">4286203920 (0xFF7A4810)</a>
YUV	<a href="#">80.5660, -31.8310, 36.3376</a>
Hunter-Lab	<a href="#">29.6795, 10.8440, 17.4943</a>

# Details

The YIQ color **80.5660, 47.7760, -6.8160** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **57.4340, -47.7760, 6.8160**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **131.8440, 52.8650, -5.4310**, and **36.7680, 32.8280, -0.2280** is the 20% darker color. If you saturate the color by 10%, you get **75.6760, 53.2780, -7.4100**, and if you desaturate by 10%, it is **85.4560, 42.2740, -6.2220**.

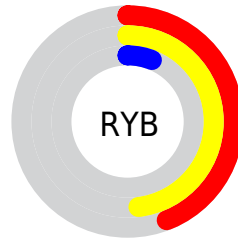
# Distribution



Red (48%)

Green (28%)

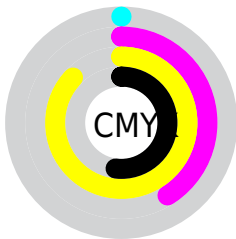
Blue (6%)



Red (44%)

Yellow (48%)

Blue (6%)

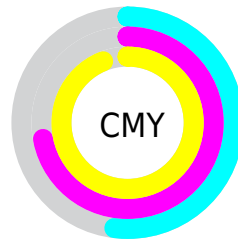


Cyan (0%)

Magenta (41%)

Yellow (87%)

Black (52%)



Cyan (52%)

Magenta (72%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.5660, 47.7760, -6.8160 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 80.5660, 47.7760, -6.8160 by changing the saturation by 10% instead.



80.5660, 47.7760,  
-6.8160

80.5660, 47.7760,  
-6.8160

254.5440, 1.2840,  
-1.2440

57.1680, 43.1450,  
-5.4870

131.8440, 52.8650,  
-5.4310

36.7680, 32.8280,  
-0.2280

158.6270, 54.9740,  
-5.1060

16.0800, 23.3820,  
5.7660

185.7090, 57.6790,  
-4.5690

0.0000, 0.0000,  
0.0000

210.1920, 51.7650,  
-7.5230

229.7060, 35.3980,  
-13.7700

248.0460, 19.5810,

-18.9710

■ 251.2380, 10.5930,  
-10.2630

■ 80.5660, 47.7760,  
-6.8160

■ 80.5660, 47.7760,  
-6.8160

■ 75.6760, 53.2780,  
-7.4100

■ 85.4560, 42.2740,  
-6.2220

■ 74.0460, 55.1120,  
-7.6080

■ 90.3460, 36.7720,  
-5.6280

■ 94.7630, 31.2240,  
-4.2000

■ 99.6530, 25.7220,  
-3.6060

■ 104.5430, 20.2200,  
-3.0120

■ 109.4330, 14.7180,  
-2.4180

■ 113.7360, 9.4910,  
-1.3010

■ 118.7400, 3.6680,  
-0.3960

■ 123.6300, -1.8340,  
0.1980

# Harmonies

## Analogous

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



81.2210, 53.9620, 13.2420



80.5660, 47.7760, -6.8160



78.2290, 32.0070, -23.9050

# Triad

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



80.5660, 47.7760, -6.8160



69.0740, -56.7110, -23.9990



85.9280, -7.5240, 26.2360

# Complementary

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



80.5660, 47.7760, -6.8160



57.4340, -47.7760, 6.8160

# 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.



67.2230, -72.1670, 2.8170



80.5660, 47.7760, -6.8160



72.2490, -67.0290, -13.2130

# Square

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



80.5660, 47.7760, -6.8160



63.7960, -44.6050, -34.1490



72.5230, -73.3120, -3.9680



84.8090, 26.7240, 33.3160



# Rectangle

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



80.5660, 47.7760, -6.8160



76.1280, 13.1180, -28.4980



72.5230, -73.3120, -3.9680



83.9800, -22.4700, 21.7700

# Sweetspot

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



80.5660, 47.7760, -6.8160



142.1730, 18.3860, -2.8140



53.5080, 46.8050, 38.3330



69.2200, 11.0040, -1.1880



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



80.5660, 47.7760, -6.8160



95.9630, 71.3430, -9.9130



109.3180, 32.8340, -33.3900



58.5550, 2.7510, -0.2970



76.1170, 56.3500, -8.0180



153.4190, 113.6170, -16.1350



# Inverse Universe

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



57.4340, -47.7760, 6.8160



62.0370, -71.3430, 9.9130



28.6820, -32.8340, 33.3900



57.4450, -2.7510, 0.2970



48.8830, -56.3500, 8.0180



98.5810, -113.6170, 16.1350



# Previews

## White Background



This preview shows how the YIQ color 80.5660, 47.7760, -6.8160 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

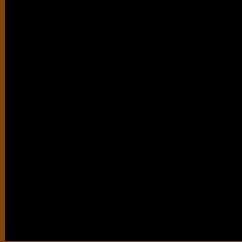
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 80.5660, 47.7760, -6.8160**

## **Background**



This preview shows how black text looks on a background with the YIQ color 80.5660, 47.7760, -6.8160.



This preview shows how white text looks on a background with the YIQ color 80.5660, 47.7760,

-6.8160.

# 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

80.5660, 47.7760, -6.8160

### Protanopia

80.4660, 27.1460, -18.4060

### Deuteranopia

80.0930, 38.5620, -16.0460



## Tritanopia

84.9120, 32.9630, 13.8510

# Trichromacy



## Original Color

80.5660, 47.7760, -6.8160

## Protanomaly

80.4070, 34.8020, -13.9820

## Deuteranomaly

80.0550, 41.7250, -12.7950

## Tritanomaly

83.5070, 38.2370, 6.3730

# Monochromacy



## Original Color

80.5660, 47.7760, -6.8160

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

80.9880, 17.4690, -2.7150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.5660, 47.7760, -6.8160 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(122, 72, 16)` looks like.

```
.text, #text, p{  
    color:rgb(122, 72, 16)  
}
```

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(122, 72, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 72, 16) }
```

## Border

The CSS property to change the border of an element to YIQ 80.5660, 47.7760, -6.8160 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(122, 72, 16) }
```



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

```
.border{ border-color:rgb(122, 72, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 72, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 72, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 72, 16);  
box-shadow:4px 4px 4px 4px rgb(122, 72,  
16) }
```

# Background

The CSS property to change the background color of an element to YIQ 80.5660, 47.7760, -6.8160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 72, 16) }
```

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

```
.background{ background-color: rgb(122, 72,  
16) }
```

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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