

# Converting Colors

YIQ(80.6460, 63.1310, 17.7790)

Have a look what the booklet for  
YIQ(80.6460, 63.1310, 17.7790)  
contains.

<b>YIQ(80.6460, 63.1310, 17.7790)</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(80.6460, 63.1310,  
17.7790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	983429
RGB	152, 52, 41
RGB Percent	60%, 20%, 16%
CMY	0.4037, 0.7962, 0.8390
CMYK	0.00, 0.66, 0.73, 0.40
HSL	6°, 57%, 38%
HSV	6°, 73%, 60%
XYZ	14.5874, 9.2939, 3.1289
YIQ	80.6460, 63.1310, 17.7790

# Conversions

## Conversions Part 2

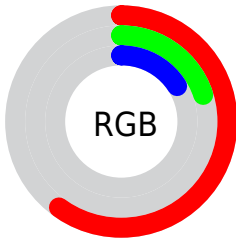
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 53, 41
Decimal	9974825
CIE Lab	36.54, 41.22, 29.33
CIE LCh	37, 50.590, 35.438
Yxy	9.2939, 0.5401, 0.3441
Android (android.graphics.Color)	4288164905 (0xFF983429)
YUV	80.6460, -19.5455, 62.5775
Hunter-Lab	30.4859, 32.0617, 15.2549

# Details

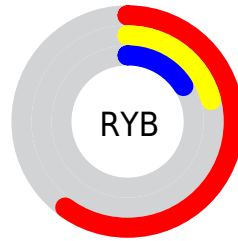
The YIQ color **80.6460, 63.1310, 17.7790** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **112.3540, -63.1310, -17.7790**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **134.3540, 69.8250, 17.6090**, and **28.4050, 56.6200, 20.1400** is the 20% darker color. If you saturate the color by 10%, you get **70.7180, 71.7960, 20.4360**, and if you desaturate by 10%, it is **90.5740, 54.4660, 15.1220**.

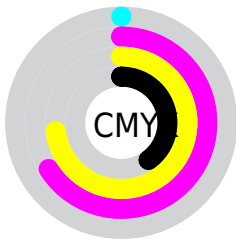
# Distribution



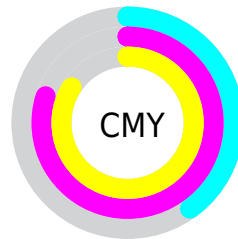
- Red (60%)
- Green (20%)
- Blue (16%)



- Red (60%)
- Yellow (21%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (73%)
- Black (40%)



- Cyan (40%)
- Magenta (80%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.6460, 63.1310, 17.7790 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 80.6460, 63.1310, 17.7790 by changing the saturation by 10% instead.



■ 80.6460, 63.1310,  
17.7790

■ 80.6460, 63.1310,  
17.7790

255.0000, -0.0000,  
-0.0000

■ 53.7320, 60.0130,  
19.2210

■ 134.3540, 69.8250,  
17.6090

■ 28.4050, 56.6200,  
20.1400

■ 161.3220, 72.8510,  
17.8350

■ 19.7340, 39.3360,  
13.9920

■ 184.0220, 64.8280,  
14.5560

■ 12.0740, 23.5190,  
8.7910

■ 203.4220, 48.7820,  
7.9980

■ 0.0000, 0.0000,  
0.0000

■ 223.0500, 32.0940,  
2.0620

■ 243.1510, 15.4520,

-4.7080

254.0880, 2.5680,  
-2.4880

80.6460, 63.1310,  
17.7790

80.6460, 63.1310,  
17.7790

70.7180, 71.7960,  
20.4360

90.5740, 54.4660,  
15.1220

61.3770, 80.1860,  
22.5700

99.9150, 46.0760,  
12.9880

54.2530, 86.4670,  
24.3790

109.9570, 37.0900,  
10.6420

119.8850, 28.4250,  
7.9850

129.8130, 19.7600,  
5.3280

■ 139.1540, 11.3700,  
3.1940

■ 149.1960, 2.3840,  
0.8480

■ 159.1240, -6.2810,  
-1.8090

■ 168.4650,  
-14.6710, -3.9430

# Harmonies

## Analogous

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



79.5430, 56.8920, 37.2440



80.6460, 63.1310, 17.7790



80.6610, 57.6340, -9.2620

# Triad

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



80.6460, 63.1310, 17.7790



65.5740, -44.1000, -37.7960



71.3950, -78.4030, 5.7010

# Complementary

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



80.6460, 63.1310, 17.7790



112.3540, -63.1310, -17.7790

# 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.



76.3530, -78.5850, -2.0170



80.6460, 63.1310, 17.7790



71.5360, -58.1320, -25.7800

# Square

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



80.6460, 63.1310, 17.7790



73.9540, 4.5000, -37.5160



76.0960, -70.9720, -13.3400



88.1110, -12.2930, 30.0670



# Rectangle

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



80.6460, 63.1310, 17.7790



81.0240, 43.0100, -19.5660



76.0960, -70.9720, -13.3400



73.7430, -79.5030, 3.6090

# Sweetspot

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



80.6460, 63.1310, 17.7790



170.5040, 25.1240, 7.2360



85.8170, 33.4140, 55.2540



82.6490, 14.3500, 4.2540



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



80.6460, 63.1310, 17.7790



86.3040, 99.6250, 28.2090



112.3440, 48.2810, -10.4630



71.9790, 4.4930, 1.1730



50.0780, 79.5900, 22.3580



4.4740, 7.4730, 2.2330



# Inverse Universe

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



112.3540, -63.1310, -17.7790



136.6960, -99.6250, -28.2090



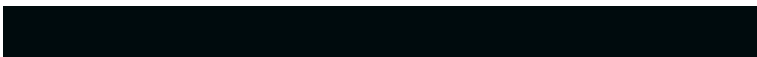
80.6560, -48.2810, 10.4630



74.0210, -4.4930, -1.1730



89.9220, -79.5900, -22.3580



7.9390, -7.1980, -1.7100



# Previews

## White Background



This preview shows how the YIQ color 80.6460, 63.1310, 17.7790 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 80.6460, 63.1310, 17.7790**

## **Background**



This preview shows how black text looks on a background with the YIQ color 80.6460, 63.1310, 17.7790.



This preview shows how white text looks on a background with the YIQ color 80.6460, 63.1310,



# 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

80.6460, 63.1310, 17.7790

### Protanopia

85.5160, 15.6820, -8.8780

### Deuteranopia

85.0030, 30.3080, -9.6280



## Tritanopia

81.1390, 60.4250, 22.7690

# Trichromacy



## Original Color

80.6460, 63.1310, 17.7790

## Protanomaly

83.7080, 33.0570, 1.1290

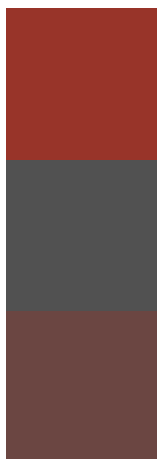
## Deuteranomaly

83.5580, 42.2270, 0.1390

## Tritanomaly

81.2700, 61.4340, 21.0020

# Monochromacy



## Original Color

80.6460, 63.1310, 17.7790

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

80.6070, 23.3360, 6.6000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.6460, 63.1310, 17.7790 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(152, 52, 41)` looks like.

```
.text, #text, p{  
    color:rgb(152, 52, 41)  
}
```

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(152, 52, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 52, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 80.6460, 63.1310, 17.7790 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(152, 52, 41) }
```



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

```
.border{ border-color:rgb(152, 52, 41) }
```

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

Here you see how a box with a 4 pixel rgb(152, 52, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 52, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 52, 41);  
box-shadow:4px 4px 4px 4px rgb(152, 52,  
41) }
```

# Background

The CSS property to change the background color of an element to YIQ 80.6460, 63.1310, 17.7790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 52, 41) }
```

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

```
.background{ background-color: rgb(152, 52,  
41) }
```

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