

Converting Colors

YIQ(71.7800, 50.8900, 13.8500)

Have a look what the booklet for
YIQ(71.7800, 50.8900, 13.8500)
contains.

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Color

**YIQ(71.7800, 50.8900,
13.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	813127
RGB	129, 49, 39
RGB Percent	51%, 19%, 15%
CMY	0.4939, 0.8080, 0.8468
CMYK	0.00, 0.62, 0.70, 0.49
HSL	7°, 54%, 33%
HSV	7°, 70%, 51%
XYZ	10.5244, 7.0115, 2.7228
YIQ	71.7800, 50.8900, 13.8500

Conversions

Conversions Part 2

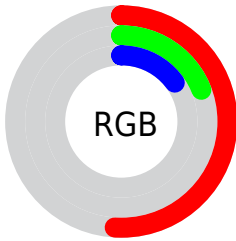
Format	Color
R_{YB}	129, 50, 39
Decimal	8466727
CIE Lab	31.83, 33.92, 23.99
CIE LCh	32, 41.545, 35.263
Yxy	7.0115, 0.5195, 0.3461
Android (android.graphics.Color)	4286656807 (0xFF813127)
YUV	71.7800, -16.1605, 50.1819
Hunter-Lab	26.4792, 24.6080, 12.4388

Details

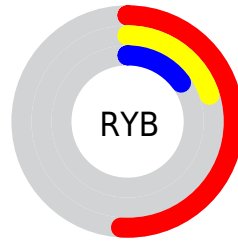
The YIQ color **71.7800, 50.8900, 13.8500** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **96.2200, -50.8900, -13.8500**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **123.3030, 56.6670, 13.7790**, and **22.1260, 44.1040, 15.6880** is the 20% darker color. If you saturate the color by 10%, you get **63.2540, 58.3630, 16.0830**, and if you desaturate by 10%, it is **79.7190, 43.6920, 12.1400**.

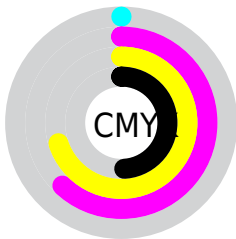
Distribution



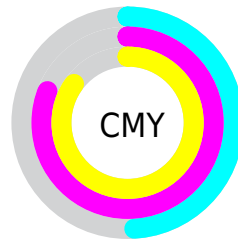
- Red (51%)
- Green (19%)
- Blue (15%)



- Red (51%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (62%)
- Yellow (70%)
- Black (49%)



- Cyan (49%)
- Magenta (81%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.7800, 50.8900, 13.8500 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 71.7800, 50.8900, 13.8500 by changing the saturation by 10% instead.

■ 71.7800, 50.8900,
13.8500

■ 71.7800, 50.8900,
13.8500

255.0000, -0.0000,
-0.0000

■ 46.3390, 47.8180,
14.4580

■ 123.6020, 57.2630,
13.9910

■ 22.1260, 44.1040,
15.6880

■ 149.7980, 59.6470,
14.8390

■ 14.7650, 28.8830,
10.6990

■ 177.4670, 62.0770,
14.8530

■ 0.0000, 0.0000,
0.0000

■ 198.9710, 51.6700,
10.7260

■ 218.4850, 35.3030,
4.4790

■ 238.1130, 18.6150,

-1.4570

253.7460, 3.5310,
-3.4210

71.7800, 50.8900,
13.8500

71.7800, 50.8900,
13.8500

63.2540, 58.3630,
16.0830

79.7190, 43.6920,
12.1400

55.3150, 65.5610,
17.7930

88.2450, 36.2190,
9.9070

47.3760, 72.7590,
19.5030

96.1840, 29.0210,
8.1970

46.7890, 73.0340,
20.0260

104.7100, 21.5480,
5.9640

112.6490, 14.3500,
4.2540

■ 121.0610, 7.1980,
1.7100

■ 129.0000, 0.0000,
0.0000

■ 137.5260, -7.4730,
-2.2330

■ 145.4650,
-14.6710, -3.9430

Harmonies

Analogous

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



71.9280, 45.2020, 28.8340



71.7800, 50.8900, 13.8500



71.7230, 45.8960, -5.7840

Triad

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



71.7800, 50.8900, 13.8500



56.9000, -38.9660, -31.7180



61.1590, -66.1150, 3.2690

Complementary

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



71.7800, 50.8900, 13.8500



96.2200, -50.8900, -13.8500

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.



65.1710, -66.3890, -2.7810



71.7800, 50.8900, 13.8500



61.9500, -50.4300, -22.1900

Square

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



71.7800, 50.8900, 13.8500



66.2670, 2.4810, -28.4550



65.0110, -60.4270, -11.7150



77.0910, -9.5410, 24.2430

Rectangle

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



71.7800, 50.8900, 13.8500



70.6690, 36.8200, -17.5160



65.0110, -60.4270, -11.7150



62.9200, -66.9400, 1.7000

Sweetspot

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



71.7800, 50.8900, 13.8500



145.8130, 19.7600, 5.3280



75.1440, 27.6390, 44.2710



70.4530, 11.9660, 3.4060



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.



71.7800, 50.8900, 13.8500



78.5510, 79.6360, 21.5240



97.6080, 38.7900, -9.1620



59.6800, 3.8970, 0.9610



46.4900, 72.4380, 19.8140



0.0000, 0.0000, 0.0000

Inverse Universe

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



96.2200, -50.8900, -13.8500



117.0360, -79.9110, -22.0470



70.3920, -38.7900, 9.1620



61.3200, -3.8970, -0.9610



80.9230, -72.1630, -19.2910



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 71.7800, 50.8900, 13.8500 looks on a white background.

Color Contrast Check

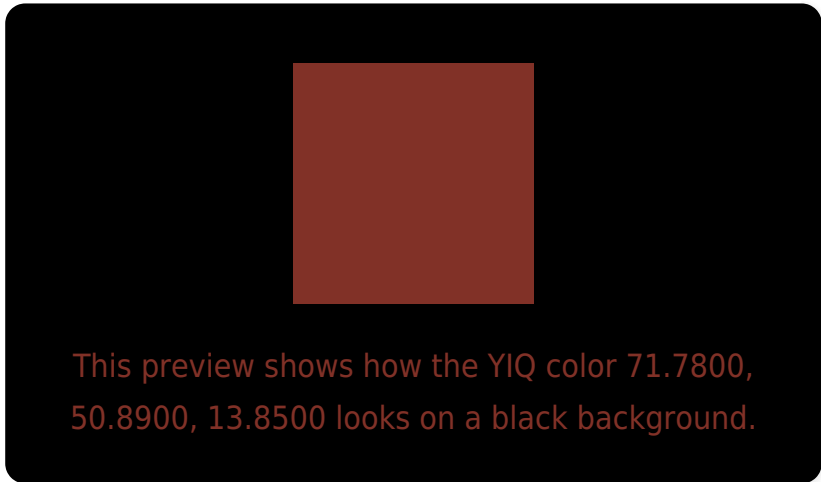
Large Text (above 18pt) WCAG AA ✓ Pass

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

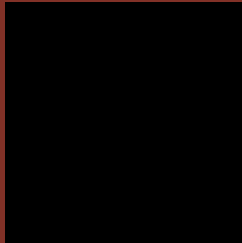
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 71.7800, 50.8900, 13.8500

Background



This preview shows how black text looks on a background with the YIQ color 71.7800, 50.8900, 13.8500.

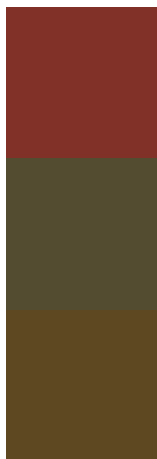


This preview shows how white text looks on a background with the YIQ color 71.7800, 50.8900,

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

71.7800, 50.8900, 13.8500

Protanopia

74.9010, 13.1600, -7.2240

Deuteranopia

74.2460, 25.3100, -7.1540



Tritanopia

72.1590, 48.5050, 18.5290

Trichromacy



Original Color

71.7800, 50.8900, 13.8500

Protanomaly

73.7720, 27.0050, 0.6770

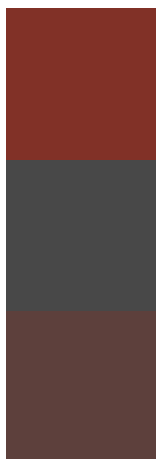
Deuteranomaly

73.6650, 34.6160, 0.4080

Tritanomaly

72.2900, 49.5140, 16.7620

Monochromacy



Original Color

71.7800, 50.8900, 13.8500

Achromatopsia

72.0000, -0.0000, 0.0000

Achromatomaly

72.2150, 18.5680, 4.9040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.7800, 50.8900, 13.8500 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(129, 49, 39)` looks like.

```
.text, #text, p{  
    color:rgb(129, 49, 39)  
}
```

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(129, 49, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 49, 39) }
```

Border

The CSS property to change the border of an element to YIQ 71.7800, 50.8900, 13.8500 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(129, 49, 39) }
```


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

```
.border{ border-color:rgb(129, 49, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 49, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 49, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 49, 39);  
box-shadow:4px 4px 4px 4px rgb(129, 49,  
39) }
```

Background

The CSS property to change the background color of an element to YIQ 71.7800, 50.8900, 13.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 49, 39) }
```

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

```
.background{ background-color: rgb(129, 49,  
39) }
```

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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