

Converting Colors

YIQ(48.6380, 39.2460, 4.6060)

Have a look what the booklet for
YIQ(48.6380, 39.2460, 4.6060)
contains.

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Color

**YIQ(48.6380, 39.2460,
4.6060)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------|
| Hex | 59230D |
| RGB | 89, 35, 13 |
| RGB Percent | 35%, 14%, 5% |
| CMY | 0.6509, 0.8628, 0.9488 |
| CMYK | 0.00, 0.61, 0.85, 0.65 |
| HSL | 17°, 74%, 20% |
| HSV | 17°, 85%, 35% |
| XYZ | 4.7959, 3.3552, 0.7771 |
| YIQ | 48.6380, 39.2460, 4.6060 |

Conversions

Conversions Part 2

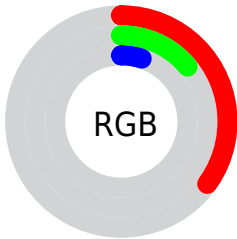
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 89, 44, 13 |
| Decimal | 5841677 |
| CIELab | 21.41, 23.50, 25.80 |
| CIElCh | 21, 34.900, 47.680 |
| Yxy | 3.3552, 0.5372, 0.3758 |
| Android (android.graphics.Color) | 4284031757 (0xFF59230D) |
| YUV | 48.6380, -17.5695, 35.3975 |
| Hunter-Lab | 18.3172, 14.6810, 10.3067 |

Details

The YIQ color **48.6380, 39.2460, 4.6060** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **53.3620, -39.2460, -4.6060**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.9870, 45.5730, 5.5810**, and **11.9600, 23.8400, 8.4800** is the 20% darker color. If you saturate the color by 10%, you get **44.0900, 43.7850, 4.9450**, and if you desaturate by 10%, it is **53.1860, 34.7070, 4.2670**.

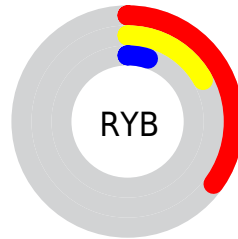
Distribution



Red (35%)

Green (14%)

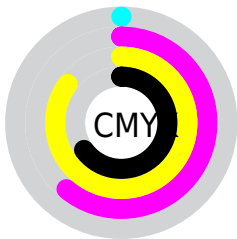
Blue (5%)



Red (35%)

Yellow (17%)

Blue (5%)

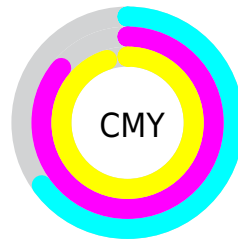


Cyan (0%)

Magenta (61%)

Yellow (85%)

Black (65%)



Cyan (65%)


Magenta (86%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 48.6380, 39.2460, 4.6060 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 48.6380, 39.2460, 4.6060 by changing the saturation by 10% instead.


 48.6380, 39.2460,
4.6060

 48.6380, 39.2460,
4.6060

 253.0620, 5.4570,
-5.2870


 25.8810, 34.2480,
7.0800


 96.9870, 45.5730,
5.5810


 11.9600, 23.8400,
8.4800

 122.7700, 47.6820,
5.9060

 0.0000, 0.0000,
0.0000

 149.4390, 50.1120,
5.9200

 176.2220, 52.2210,
6.2450

 202.5100, 51.3500,
5.5100

 222.0240, 34.9830,

-0.7370

■ 241.6520, 18.2950,
-6.6730

■ 48.6380, 39.2460,
4.6060

■ 48.6380, 39.2460,
4.6060

■ 44.0900, 43.7850,
4.9450

■ 53.1860, 34.7070,
4.2670

■ 41.8730, 45.8940,
5.2700

■ 58.3210, 29.8930,
3.4050

■ 62.8690, 25.3540,
3.0660

■ 67.4170, 20.8150,
2.7270

■ 72.5520, 16.0010,
1.8650

■ 76.9860, 11.7830,
1.2150

■ 81.5340, 7.2440,
0.8760

■ 86.6690, 2.4300,
0.0140

■ 91.2170, -2.1090,
-0.3250

Harmonies

Analogous

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



47.8960, 39.0600, 18.9960



48.6380, 39.2460, 4.6060



48.8290, 30.8580, -8.5820

Triad

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



48.6380, 39.2460, 4.6060



40.9540, -29.8900, -19.9860



48.0510, -30.4000, 11.2960

Complementary

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



48.6380, 39.2460, 4.6060



53.3620, -39.2460, -4.6060

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.



45.0870, -48.4170, 1.9110



48.6380, 39.2460, 4.6060



44.5050, -38.5110, -12.4230

Square

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



48.6380, 39.2460, 4.6060



41.4860, -11.1370, -23.9450



46.5400, -45.6190, -4.7470



52.7520, 4.5350, 22.4470

Rectangle

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



48.6380, 39.2460, 4.6060



47.8660, 20.2680, -14.9000



46.5400, -45.6190, -4.7470



42.2660, -47.3630, 4.8370

Sweetspot

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



48.6380, 39.2460, 4.6060



99.2530, 15.4050, 1.6530



41.9940, 27.6410, 33.2170



49.2030, 9.6740, 0.8900



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



48.6380, 39.2460, 4.6060



53.7560, 59.4650, 7.1210



70.9440, 28.7960, -15.2680



40.7830, 2.1090, 0.3250



50.1900, 55.2470, 6.4710



110.1810, 121.3600, 14.2560

Inverse Universe

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



53.3620, -39.2460, -4.6060



61.2440, -59.4650, -7.1210



31.6430, -29.0710, 14.7450



41.2170, -2.1090, -0.3250



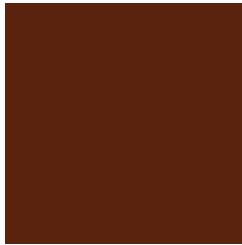
56.8100, -55.2470, -6.4710



124.8190, -121.3600, -14.2560

Previews

White Background



This preview shows how the YIQ color 48.6380, 39.2460, 4.6060 looks on a white background.

Color Contrast Check

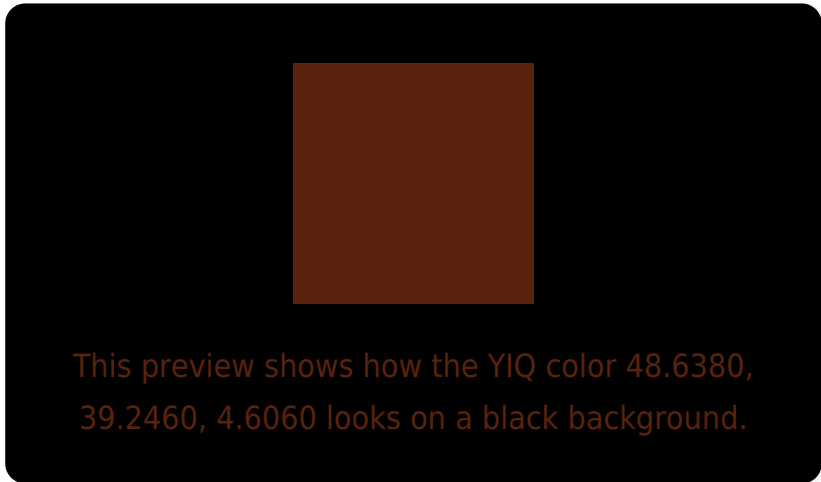
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6380, 39.2460, 4.6060

Background



This preview shows how black text looks on a background with the YIQ color 48.6380, 39.2460, 4.6060.



This preview shows how white text looks on a background with the YIQ color 48.6380, 39.2460,

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

48.6380, 39.2460, 4.6060

Protanopia

50.8040, 14.8110, -9.6130

Deuteranopia

49.5400, 24.3020, -10.9140



Tritanopia

50.2710, 33.3300, 12.7060

Trichromacy



Original Color

48.6380, 39.2460, 4.6060

Protanomaly

49.7560, 23.9340, -4.2420

Deuteranomaly

49.3390, 29.4820, -5.6700

Tritanomaly

49.9460, 35.6230, 9.6950

Monochromacy



Original Color

48.6380, 39.2460, 4.6060

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.0680, 14.4880, 1.7520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.6380, 39.2460, 4.6060 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(89, 35, 13)` looks like.

```
.text, #text, p{  
    color:rgb(89, 35, 13)  
}
```

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(89, 35, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 35, 13) }
```

Border

The CSS property to change the border of an element to YIQ 48.6380, 39.2460, 4.6060 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(89, 35, 13) }
```


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

```
.border{ border-color:rgb(89, 35, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 35, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 35, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 35, 13);  
box-shadow:4px 4px 4px 4px rgb(89, 35, 13)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.6380, 39.2460, 4.6060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 35, 13) }
```

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

```
.background{ background-color: rgb(89, 35,  
13) }
```

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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