

Converting Colors

YIQ(48.7190, 43.6920, 12.1400)

Have a look what the booklet for
YIQ(48.7190, 43.6920, 12.1400)
contains.

YIQ(48.7190, 43.6920, 12.1400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(48.7190, 43.6920,
12.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	621D15
RGB	98, 29, 21
RGB Percent	38%, 11%, 8%
CMY	0.6155, 0.8864, 0.9175
CMYK	0.00, 0.70, 0.79, 0.62
HSL	6°, 65%, 23%
HSV	6°, 79%, 38%
XYZ	5.6158, 3.5305, 1.0972
YIQ	48.7190, 43.6920, 12.1400

Conversions

Conversions Part 2

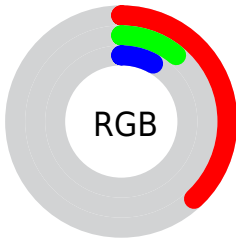
Format	Color
RYB	98, 30, 21
Decimal	6429973
CIELab	22.05, 30.72, 22.41
CIElCh	22, 38.023, 36.118
Yxy	3.5305, 0.5482, 0.3447
Android (android.graphics.Color)	4284620053 (0xFF621D15)
YUV	48.7190, -13.6655, 43.2194
Hunter-Lab	18.7898, 20.4674, 9.6908

Details

The YIQ color **48.7190, 43.6920, 12.1400** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **70.2810, -43.6920, -12.1400**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.5410, 50.0650, 12.2810**, and **14.0530, 28.0120, 9.9640** is the 20% darker color. If you saturate the color by 10%, you get **42.2960, 49.3770, 13.7370**, and if you desaturate by 10%, it is **55.1420, 38.0070, 10.5430**.

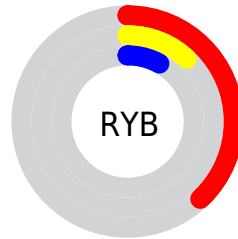
Distribution



Red (38%)

Green (11%)

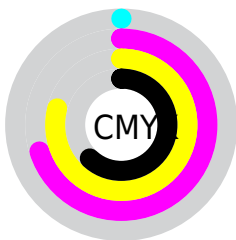
Blue (8%)



Red (38%)

Yellow (12%)

Blue (8%)

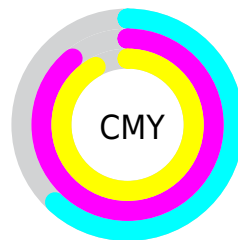


Cyan (0%)

Magenta (70%)

Yellow (79%)

Black (62%)



Cyan (62%)

Magenta (89%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.7190, 43.6920, 12.1400 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 48.7190, 43.6920, 12.1400 by changing the saturation by 10% instead.

■ 48.7190, 43.6920,
12.1400

■ 48.7190, 43.6920,
12.1400

■ 254.0880, 2.5680,
-2.4880

■ 23.2890, 42.0870,
13.6950

■ 98.5410, 50.0650,
12.2810

■ 14.0530, 28.0120,
9.9640

■ 124.2100, 52.4950,
12.2950

■ 0.0000, 0.0000,
0.0000

■ 151.2920, 55.2000,
12.8320

■ 178.0750, 57.3090,
13.1570

■ 201.1880, 49.5610,
10.4010

■ 220.7020, 33.1940,

4.1540

■ 240.9170, 16.2310,
-2.3050

■ 48.7190, 43.6920,
12.1400

■ 48.7190, 43.6920,
12.1400

■ 42.2960, 49.3770,
13.7370

■ 55.1420, 38.0070,
10.5430

■ 35.8730, 55.0620,
15.3340

■ 61.5650, 32.3220,
8.9460

■ 35.1720, 55.6580,
15.5460

■ 67.2870, 27.2330,
7.5610

■ 73.7100, 21.5480,
5.9640

■ 80.1330, 15.8630,
4.3670

■ 86.5560, 10.1780,
2.7700

■ 92.9790, 4.4930,
1.1730

■ 98.7010, -0.5960,
-0.2120

■ 105.1240, -6.2810,
-1.8090

Harmonies

Analogous

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



47.7100, 39.8840, 26.0920



48.7190, 43.6920, 12.1400



50.0580, 37.6430, -4.8930

Triad

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



48.7190, 43.6920, 12.1400



40.7600, -26.5880, -24.7640



44.1240, -49.8390, 5.6570

Complementary

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



48.7190, 43.6920, 12.1400



70.2810, -43.6920, -12.1400

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.



48.2500, -50.4340, -0.0820



48.7190, 43.6920, 12.1400



44.7670, -36.4930, -15.9570

Square

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



48.7190, 43.6920, 12.1400



44.1900, 1.3800, -25.0200



47.8450, -45.1600, -7.5600



53.8800, -7.5690, 21.5430

Rectangle

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



48.7190, 43.6920, 12.1400



49.9810, 27.3740, -11.5220



47.8450, -45.1600, -7.5600



45.8850, -50.6640, 4.0880

Sweetspot

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



48.7190, 43.6920, 12.1400



108.0300, 17.6510, 5.0030



51.8890, 23.7430, 37.7830



51.8550, 10.7740, 2.9820



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



48.7190, 43.6920, 12.1400



50.9240, 68.2200, 19.1640



71.0250, 33.2420, -7.7340



45.1960, 2.3840, 0.8480



40.5320, 63.4520, 17.4680



86.4350, 136.1650, 37.8050

Inverse Universe

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



70.2810, -43.6920, -12.1400



84.4890, -67.9450, -18.6410



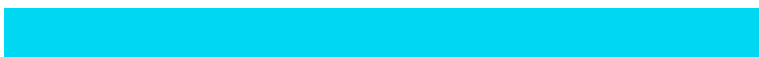
47.9750, -33.2420, 7.7340



46.8040, -2.3840, -0.8480



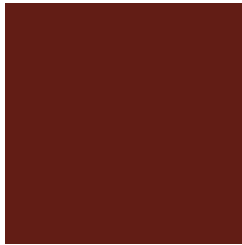
72.0550, -63.7270, -17.9910



153.5650, -136.1650, -37.8050

Previews

White Background



This preview shows how the YIQ color 48.7190, 43.6920, 12.1400 looks on a white background.

Color Contrast Check

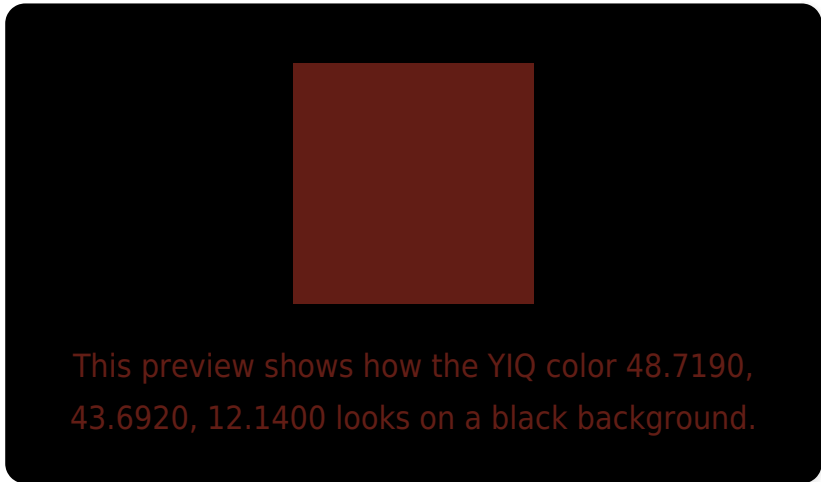
Large Text (above 18pt) WCAG AA ✓ Pass

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

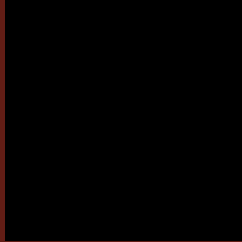
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.7190, 43.6920, 12.1400

Background



This preview shows how black text looks on a background with the YIQ color 48.7190, 43.6920, 12.1400.

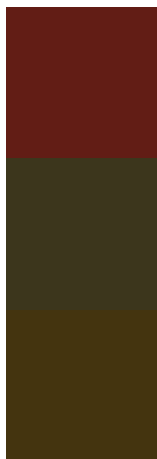


This preview shows how white text looks on a background with the YIQ color 48.7190, 43.6920,

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

48.7190, 43.6920, 12.1400

Protanopia

52.8300, 11.9220, -6.8140

Deuteranopia

52.5660, 21.4130, -8.1150



Tritanopia

49.0440, 41.3990, 15.1510

Trichromacy



Original Color

48.7190, 43.6920, 12.1400

Protanomaly

51.3910, 23.7040, -0.0720

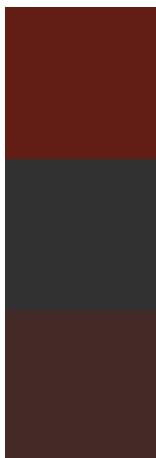
Deuteranomaly

51.3870, 29.5270, -0.9770

Tritanomaly

48.7020, 42.3620, 14.2180

Monochromacy



Original Color

48.7190, 43.6920, 12.1400

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.1330, 15.8630, 4.3670

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.7190, 43.6920, 12.1400 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(98, 29, 21)` looks like.

```
.text, #text, p{  
    color:rgb(98, 29, 21)  
}
```

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(98, 29, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 29, 21) }
```

Border

The CSS property to change the border of an element to YIQ 48.7190, 43.6920, 12.1400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

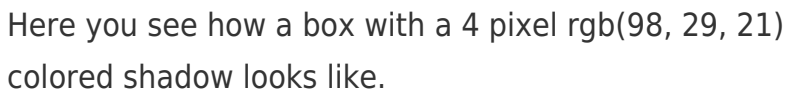
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 29, 21) }
```


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

```
.border{ border-color:rgb(98, 29, 21) }
```

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



Here you see how a box with a 4 pixel rgb(98, 29, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 29, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 29, 21);  
box-shadow:4px 4px 4px 4px rgb(98, 29, 21)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.7190, 43.6920, 12.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 29, 21) }
```

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

```
.background{ background-color: rgb(98, 29,  
21) }
```

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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