

Converting Colors

YIQ(48.2220, 16.6900, -5.1180)

Have a look what the booklet for
YIQ(48.2220, 16.6900, -5.1180)
contains.

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Color

**YIQ(48.2220, 16.6900,
-5.1180)**

Conversions

Conversions Part 1

Format	Color
Hex	3D2F15
RGB	61, 47, 21
RGB Percent	24%, 18%, 8%
CMY	0.7608, 0.8157, 0.9176
CMYK	0.00, 0.23, 0.66, 0.76
HSL	39°, 49%, 16%
HSV	39°, 66%, 24%
XYZ	3.0766, 3.0790, 1.1427
YIQ	48.2220, 16.6900, -5.1180

Conversions

Conversions Part 2

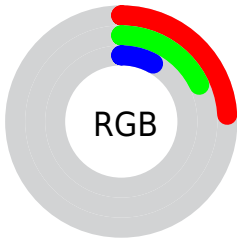
Format	Color
RYB	43, 61, 21
Decimal	4009749
CIELab	20.36, 2.63, 18.90
CIELCh	20, 19.080, 82.065
Yxy	3.0790, 0.4215, 0.4219
Android (android.graphics.Color)	4282199829 (0xFF3D2F15)
YUV	48.2220, -13.4204, 11.2063
Hunter-Lab	17.5471, 0.5893, 8.4219

Details

The YIQ color **48.2220, 16.6900, -5.1180** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **33.7780, -16.6900, 5.1180**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **94.7770, 19.4410, -5.4150**, and **2.6910, 5.3640, 1.9080** is the 20% darker color. If you saturate the color by 10%, you get **46.3640, 19.1660, -5.9380**, and if you desaturate by 10%, it is **50.0800, 14.2140, -4.2980**.

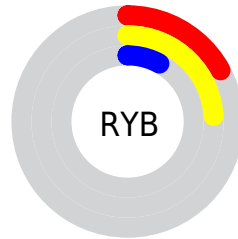
Distribution



Red (24%)

Green (18%)

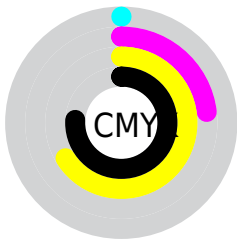
Blue (8%)



Red (17%)

Yellow (24%)

Blue (8%)

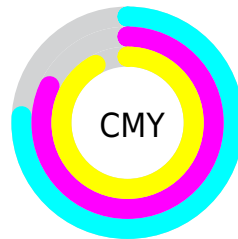


Cyan (0%)

Magenta (23%)

Yellow (66%)

Black (76%)



Cyan (76%)

Magenta (82%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.2220, 16.6900, -5.1180 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 48.2220, 16.6900, -5.1180 by changing the saturation by 10% instead.

■ 48.2220, 16.6900,
-5.1180

■ 48.2220, 16.6900,
-5.1180

■ 254.2020, 2.2470,
-2.1770

■ 26.9230, 16.0940,
-5.3300

■ 94.7770, 19.4410,
-5.4150

■ 2.6910, 5.3640,
1.9080

■ 119.3750, 20.6330,
-4.9910

■ 0.0000, 0.0000,
0.0000

■ 145.4460, 21.8710,
-5.4010

■ 171.7450, 22.4670,
-5.1890

■ 199.5170, 23.1090,
-5.8110

■ 227.2290, 23.9800,

-5.0760

■ 249.7220, 12.1060,
-10.1500

■ 48.2220, 16.6900,
-5.1180

■ 48.2220, 16.6900,
-5.1180

■ 46.3640, 19.1660,
-5.9380

■ 50.0800, 14.2140,
-4.2980

■ 44.5060, 21.6420,
-6.7580

■ 51.9380, 11.7380,
-3.4780

■ 42.6480, 24.1180,
-7.5780

■ 53.7960, 9.2620,
-2.6580

■ 41.7190, 25.3560,
-7.9880

■ 56.2410, 6.5110,
-2.3610

■ 58.2130, 3.7140,
-1.2300

■ 60.0710, 1.2380,
-0.4100

■ 61.9290, -1.2380,
0.4100

■ 63.7870, -3.7140,
1.2300

■ 65.6450, -6.1900,
2.0500

Harmonies

Analogous

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



49.0750, 21.7780, 1.7940



48.2220, 16.6900, -5.1180



46.4980, 6.9250, -9.8670

Triad

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



48.2220, 16.6900, -5.1180



39.5980, -34.3390, -10.9390



51.0150, 4.8120, 11.9160

Complementary

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



48.2220, 16.6900, -5.1180



33.7780, -16.6900, 5.1180

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.



49.5940, -10.1800, 8.2840



48.2220, 16.6900, -5.1180



40.3790, -37.9160, -6.6840

Square

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



48.2220, 16.6900, -5.1180



40.3940, -25.0770, -13.5970



44.6840, -28.2890, 0.5670



50.1750, 16.0450, 12.0850

Rectangle

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



48.2220, 16.6900, -5.1180



45.9530, -1.7860, -11.6900



44.6840, -28.2890, 0.5670



50.5630, 0.2730, 11.5770

Sweetspot

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



48.2220, 16.6900, -5.1180



74.2410, 6.5110, -2.3610



34.6700, 19.0250, 13.1450



37.5120, 4.3100, -1.0180



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000

Same Dimension

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



48.2220, 16.6900, -5.1180



59.0180, 25.9520, -7.7760



54.9450, 9.8600, -13.5000



30.0710, 1.2380, -0.4100



63.9130, 39.2490, -11.9750



150.9060, 92.7120, -28.2480

Inverse Universe

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



33.7780, -16.6900, 5.1180



36.3950, -25.6770, 8.2990



27.0550, -9.8600, 13.5000



28.9290, -1.2380, 0.4100



30.0870, -39.2490, 11.9750



71.0940, -92.7120, 28.2480

Previews

White Background



This preview shows how the YIQ color 48.2220, 16.6900, -5.1180 looks on a white background.

Color Contrast Check

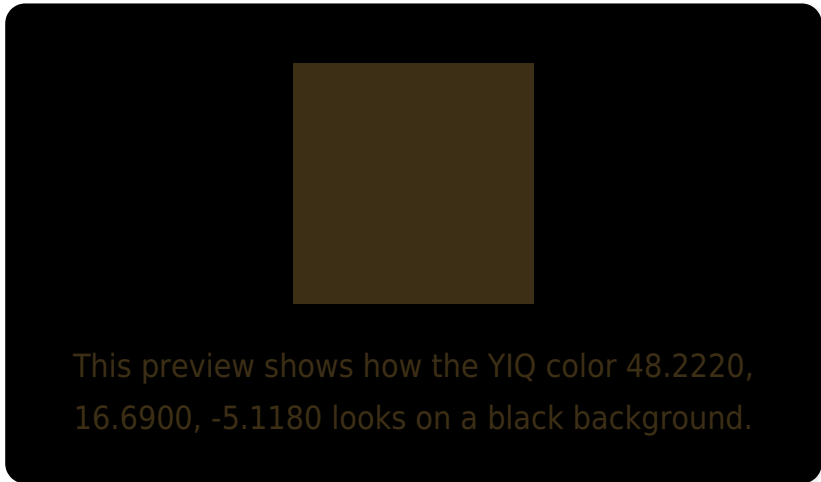
Large Text (above 18pt) WCAG AA ✓ Pass

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

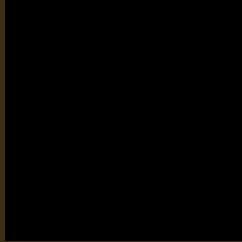
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.2220, 16.6900, -5.1180

Background



This preview shows how black text looks on a background with the YIQ color 48.2220, 16.6900, -5.1180.



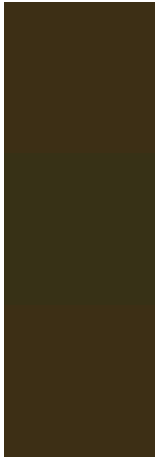
This preview shows how white text looks on a background with the YIQ color 48.2220, 16.6900,

-5.1180.

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

48.2220, 16.6900, -5.1180

Protanopia

47.7160, 12.2430, -7.1250

Deuteranopia

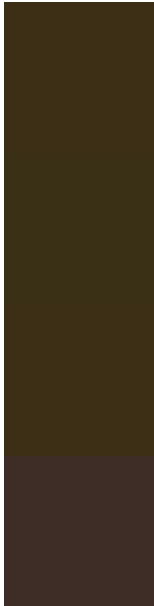
48.2220, 16.6900, -5.1180



Tritanopia

50.1370, 10.0400, 5.2720

Trichromacy



Original Color

48.2220, 16.6900, -5.1180

Protanomaly

47.7270, 13.7100, -6.1780

Deuteranomaly

48.2220, 16.6900, -5.1180

Tritanomaly

49.2850, 12.3790, 1.4270

Monochromacy



Original Color

48.2220, 16.6900, -5.1180

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

48.3550, 6.1900, -2.0500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.2220, 16.6900, -5.1180 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(61, 47, 21)` looks like.

```
.text, #text, p{  
    color:rgb(61, 47, 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(61, 47, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 47, 21) }
```

Border

The CSS property to change the border of an element to YIQ 48.2220, 16.6900, -5.1180 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(61, 47, 21) }
```


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

```
.border{ border-color:rgb(61, 47, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 47, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 47, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 47, 21);  
box-shadow:4px 4px 4px 4px rgb(61, 47, 21)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.2220, 16.6900, -5.1180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 47, 21) }
```

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

```
.background{ background-color: rgb(61, 47,  
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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