

Converting Colors

YIQ(48.6040, 18.2500, -11.3660)

Have a look what the booklet for
YIQ(48.6040, 18.2500, -11.3660)
contains.

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Color

**YIQ(48.6040, 18.2500,
-11.3660)**

Conversions

Conversions Part 1

Format	Color
Hex	3B3309
RGB	59, 51, 9
RGB Percent	23%, 20%, 4%
CMY	0.7686, 0.8000, 0.9646
CMYK	0.00, 0.14, 0.85, 0.77
HSL	50°, 73%, 13%
HSV	50°, 85%, 23%
XYZ	3.0367, 3.3169, 0.7394
YIQ	48.6040, 18.2500, -11.3660

Conversions

Conversions Part 2

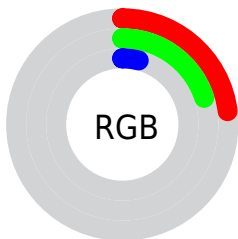
Format	Color
R_YB	19, 59, 9
Decimal	3879689
CIE Lab	21.27, -1.99, 26.10
CIE LCh	21, 26.174, 94.369
Yxy	3.3169, 0.4281, 0.4676
Android (android.graphics.Color)	4282069769 (0xFF3B3309)
YUV	48.6040, -19.5248, 9.1173
Hunter-Lab	18.2123, -2.1091, 10.3416

Details


The YIQ color **48.6040, 18.2500, -11.3660** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **19.3960, -18.2500, 11.3660**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.3870, 20.3590, -11.0410**, and **4.1200, -0.4580, -2.7140** is the 20% darker color. If you saturate the color by 10%, you get **47.3330, 20.4510, -12.7090**, and if you desaturate by 10%, it is **49.8750, 16.0490, -10.0230**.

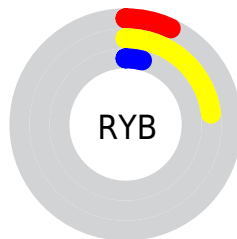
Distribution



 Red (23%)

 Green (20%)

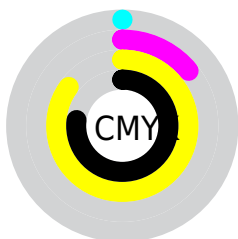
 Blue (4%)




 Red (7%)

 Yellow (23%)

 Blue (4%)

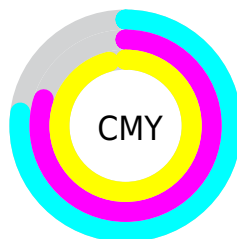



 Cyan (0%)


 Magenta (14%)

 Yellow (85%)

 Black (77%)



 Cyan (77%)

 Magenta (80%)

 Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.6040, 18.2500, -11.3660 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 48.6040, 18.2500, -11.3660 by changing the saturation by 10% instead.

■ 48.6040, 18.2500,
-11.3660

■ 48.6040, 18.2500,
-11.3660

■ 252.8340, 6.0990,
-5.9090

■ 28.3740, 13.2060,
-8.0580

■ 95.3870, 20.3590,
-11.0410

■ 4.1200, -0.4580,
-2.7140

■ 120.4580, 21.5970,
-11.4510

■ 0.0000, 0.0000,
0.0000

■ 146.6430, 22.5140,
-11.5500

■ 172.8280, 23.4310,
-11.6490

■ 200.3120, 24.9440,
-11.5360

■ 228.1980, 25.2650,

-11.8470

■ 249.6420, 15.0870,
-14.6170

■ 48.6040, 18.2500,
-11.3660

■ 48.6040, 18.2500,
-11.3660

■ 47.3330, 20.4510,
-12.7090

■ 49.8750, 16.0490,
-10.0230

■ 46.9910, 21.4140,
-13.6420

■ 51.1460, 13.8480,
-8.6800

■ 52.4170, 11.6470,
-7.3370

■ 53.6880, 9.4460,
-5.9940

■ 54.9590, 7.2450,
-4.6510

■ 56.1160, 5.3650,
-3.6190

■ 57.3870, 3.1640,
-2.2760

■ 58.6580, 0.9630,
-0.9330

■ 59.3420, -0.9630,
0.9330

Harmonies

Analogous

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



50.0770, 27.4640, -2.1360



48.6040, 18.2500, -11.3660



46.4710, 2.3870, -15.7330

Triad

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



48.6040, 18.2500, -11.3660



43.4280, -39.6120, -8.9880



52.4940, 13.8890, 18.1210

Complementary

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



48.6040, 18.2500, -11.3660



19.3960, -18.2500, 11.3660

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.



52.6210, -5.6420, 14.1500



48.6040, 18.2500, -11.3660



43.2630, -43.2810, -3.0650

Square

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



48.6040, 18.2500, -11.3660



41.2620, -33.5130, -14.8970



45.2690, -34.2500, 3.9740



51.2580, 26.1770, 15.6890

Rectangle

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



48.6040, 18.2500, -11.3660



43.5170, -12.4220, -17.1740



45.2690, -34.2500, 3.9740



52.5580, 7.8370, 17.6690

Sweetspot

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



48.6040, 18.2500, -11.3660



72.3720, 7.5200, -4.1280



24.8620, 27.2320, 13.0880



35.5720, 4.0810, -2.3750



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



48.6040, 18.2500, -11.3660



60.5910, 28.2920, -17.1480



48.2170, 5.9180, -19.1540



30.0710, 1.2380, -0.4100



74.4790, 34.2990, -21.3890



175.5600, 81.1620, -50.2140

Inverse Universe

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



19.3960, -18.2500, 11.3660



15.8220, -28.0170, 17.6710



19.7830, -5.9180, 19.1540



28.3420, -0.9630, 0.9330



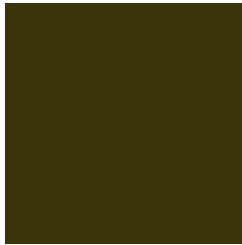
19.5210, -34.2990, 21.3890



46.4400, -81.1620, 50.2140

Previews

White Background



This preview shows how the YIQ color 48.6040, 18.2500, -11.3660 looks on a white background.

Color Contrast Check

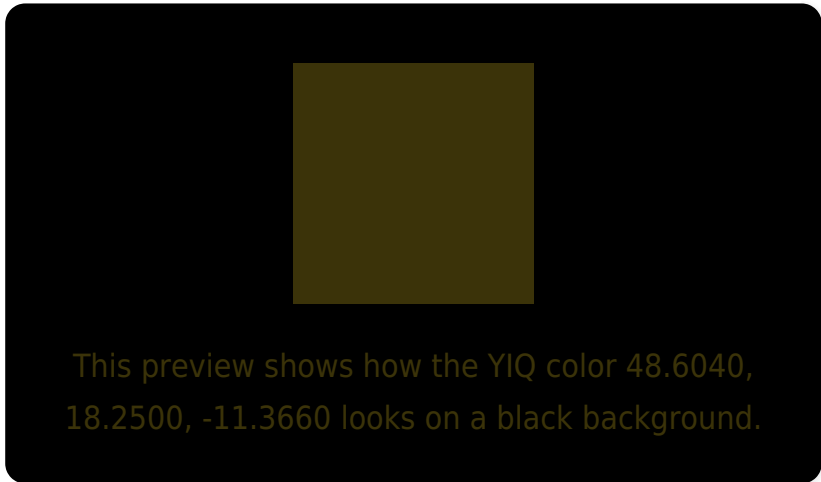
Large Text (above 18pt) WCAG AA ✓ Pass

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

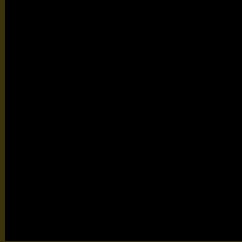
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.6040, 18.2500, -11.3660

Background



This preview shows how black text looks on a background with the YIQ color 48.6040, 18.2500, -11.3660.



This preview shows how white text looks on a background with the YIQ color 48.6040, 18.2500, -11.3660.

-11.3660.

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

48.6040, 18.2500, -11.3660

Protanopia

48.3050, 17.6540, -11.5780

Deuteranopia

49.4520, 21.7340, -8.4260



Tritanopia

51.9410, 7.6560, 4.4240

Trichromacy



Original Color

48.6040, 18.2500, -11.3660

Protanomaly

48.3050, 17.6540, -11.5780

Deuteranomaly

49.3270, 20.5880, -9.6840

Tritanomaly

50.5190, 11.6000, -0.9760

Monochromacy



Original Color

48.6040, 18.2500, -11.3660

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.0730, 6.9240, -4.3400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.6040, 18.2500, -11.3660 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(59, 51, 9)` looks like.

```
.text, #text, p{  
    color:rgb(59, 51, 9)  
}
```

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(59, 51, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 51, 9) }
```

Border

The CSS property to change the border of an element to YIQ 48.6040, 18.2500, -11.3660 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(59, 51, 9) }
```


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

```
.border{ border-color:rgb(59, 51, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 51, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 51, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 51, 9); box-shadow:4px  
4px 4px 4px rgb(59, 51, 9) }
```

Background

The CSS property to change the background color of an element to YIQ 48.6040, 18.2500, -11.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 51, 9) }
```

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

```
.background{ background-color: rgb(59, 51,  
9) }
```

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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