

Converting Colors

YIQ(46.4650, 11.6920, -2.6440)

Have a look what the booklet for
YIQ(46.4650, 11.6920, -2.6440)
contains.

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Color

**YIQ(46.4650, 11.6920,
-2.6440)**

Conversions

Conversions Part 1

Format	Color
Hex	382D1D
RGB	56, 45, 29
RGB Percent	22%, 18%, 11%
CMY	0.7804, 0.8235, 0.8862
CMYK	0.00, 0.20, 0.48, 0.78
HSL	36°, 32%, 17%
HSV	36°, 48%, 22%
XYZ	2.7913, 2.8061, 1.5579
YIQ	46.4650, 11.6920, -2.6440

Conversions

Conversions Part 2

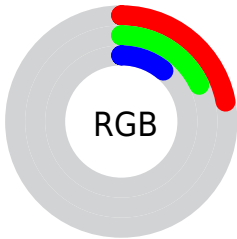
Format	Color
RYB	48, 56, 29
Decimal	3681565
CIELab	19.25, 2.32, 12.22
CIElCh	19, 12.441, 79.240
Yxy	2.8061, 0.3901, 0.3922
Android (android.graphics.Color)	4281871645 (0xFF382D1D)
YUV	46.4650, -8.6102, 8.3622
Hunter-Lab	16.7513, 0.4287, 6.2119

Details

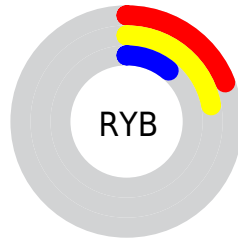
The YIQ color **46.4650, 11.6920, -2.6440** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **38.5350, -11.6920, 2.6440**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.8350, 13.5260, -2.8420**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **44.6070, 14.1680, -3.4640**, and if you desaturate by 10%, it is **48.3230, 9.2160, -1.8240**.

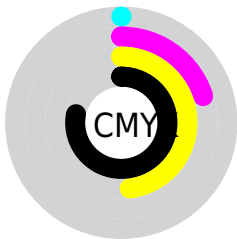
Distribution



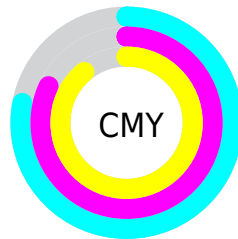
- Red (22%)
- Green (18%)
- Blue (11%)



- Red (19%)
- Yellow (22%)
- Blue (11%)



- Cyan (0%)
- Magenta (20%)
- Yellow (48%)
- Black (78%)



- Cyan (78%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.4650, 11.6920, -2.6440 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 46.4650, 11.6920, -2.6440 by changing the saturation by 10% instead.

■ 46.4650, 11.6920,
-2.6440

■ 46.4650, 11.6920,
-2.6440

■ 255.0000, -0.0000,
-0.0000

■ 25.0090, 12.9760,
-3.8880

■ 92.8350, 13.5260,
-2.8420

■ 0.0000, 0.0000,
0.0000

■ 117.1340, 14.1220,
-2.6300

■ 142.9060, 14.7640,
-3.2520

■ 169.2050, 15.3600,
-3.0400

■ 196.5040, 15.9560,
-2.8280

■ 224.3900, 16.2770,

-3.1390

■ 249.6880, 9.4460,
-5.9940

■ 46.4650, 11.6920,
-2.6440

■ 46.4650, 11.6920,
-2.6440

■ 44.6070, 14.1680,
-3.4640

■ 48.3230, 9.2160,
-1.8240

■ 42.2760, 16.5980,
-3.4500

■ 50.6540, 6.7860,
-1.8380

■ 40.4180, 19.0740,
-4.2700

■ 52.5120, 4.3100,
-1.0180

■ 38.6740, 21.2290,
-4.7790

■ 54.2560, 2.1550,
-0.5090

■ 36.8160, 23.7050,
-5.5990

■ 56.1140, -0.3210,
0.3110

■ 36.1150, 24.3010,
-5.3870

■ 58.5590, -3.0720,
0.6080

■ 60.3030, -5.2270,
1.1170

■ 62.1610, -7.7030,
1.9370

■ 64.4920, -10.1330,
1.9230

Harmonies

Analogous

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



46.9540, 14.8090, 1.4410



46.4650, 11.6920, -2.6440



45.5350, 5.5030, -6.1210

Triad

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



46.4650, 11.6920, -2.6440



41.8340, -20.2640, -7.2080



47.8250, 2.2910, 8.0430

Complementary

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



46.4650, 11.6920, -2.6440



38.5350, -11.6920, 2.6440

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.



47.1550, -7.5660, 4.9620



46.4650, 11.6920, -2.6440



42.4580, -21.9610, -3.9850

Square

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



46.4650, 11.6920, -2.6440



42.6130, -12.3320, -7.7880



45.0290, -16.1390, 0.6370



47.7180, 9.9020, 7.7740

Rectangle

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



46.4650, 11.6920, -2.6440



44.9580, -0.1820, -7.7180



45.0290, -16.1390, 0.6370



47.7430, -0.4140, 7.5060

Sweetspot

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



46.4650, 11.6920, -2.6440



70.5120, 4.3100, -1.0180



38.3270, 12.5610, 9.1450



36.1420, 2.4760, -0.8200



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.



46.4650, 11.6920, -2.6440



58.5320, 18.7530, -3.9590



52.3240, 7.4750, -8.8210



27.0710, 1.2380, -0.4100



59.2060, 39.9820, -8.7380



141.7910, 94.7740, -21.5620

Inverse Universe

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



38.5350, -11.6920, 2.6440



46.4680, -18.7530, 3.9590



32.6760, -7.4750, 8.8210



25.9290, -1.2380, 0.4100



32.2070, -39.7070, 9.2610



77.2090, -94.7740, 21.5620

Previews

White Background



This preview shows how the YIQ color 46.4650, 11.6920, -2.6440 looks on a white background.

Color Contrast Check

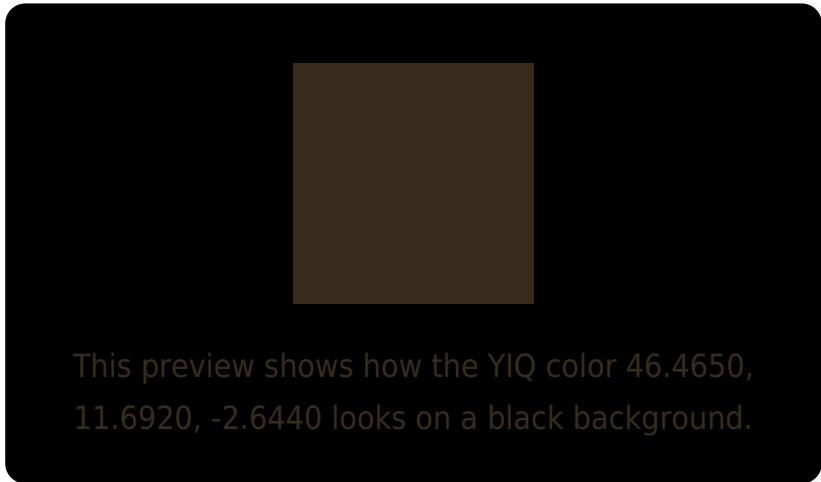
Large Text (above 18pt) WCAG AA ✓ Pass

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

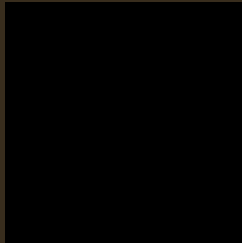
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.4650, 11.6920, -2.6440

Background



This preview shows how black text looks on a background with the YIQ color 46.4650, 11.6920, -2.6440.



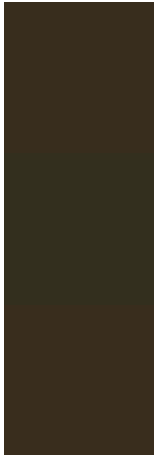
This preview shows how white text looks on a background with the YIQ color 46.4650, 11.6920,

-2.6440.

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

46.4650, 11.6920, -2.6440

Protanopia

46.2580, 7.8410, -4.4390

Deuteranopia

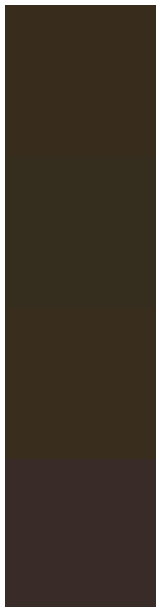
46.7640, 12.2880, -2.4320



Tritanopia

47.8270, 7.9770, 4.1130

Trichromacy



Original Color

46.4650, 11.6920, -2.6440

Protanomaly

46.2690, 9.3080, -3.4920

Deuteranomaly

46.7640, 12.2880, -2.4320

Tritanomaly

47.4310, 9.0320, 1.5120

Monochromacy



Original Color

46.4650, 11.6920, -2.6440

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.5120, 4.3100, -1.0180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.4650, 11.6920, -2.6440 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(56, 45, 29)` looks like.

```
.text, #text, p{  
    color:rgb(56, 45, 29)  
}
```

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(56, 45, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 45, 29) }
```

Border

The CSS property to change the border of an element to YIQ 46.4650, 11.6920, -2.6440 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(56, 45, 29) }
```


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

```
.border{ border-color:rgb(56, 45, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 45, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 45, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 45, 29);  
box-shadow:4px 4px 4px 4px rgb(56, 45, 29)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.4650, 11.6920, -2.6440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 45, 29) }
```

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

```
.background{ background-color: rgb(56, 45,  
29) }
```

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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