

Converting Colors

YIQ(46.8460, 5.8250, -11.9590)

Have a look what the booklet for
YIQ(46.8460, 5.8250, -11.9590)
contains.

YIQ(46.8460, 5.8250, -11.9590)	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(46.8460, 5.8250,
-11.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	2D3514
RGB	45, 53, 20
RGB Percent	18%, 21%, 8%
CMY	0.8236, 0.7921, 0.9215
CMYK	0.15, 0.00, 0.62, 0.79
HSL	75°, 45%, 14%
HSV	75°, 62%, 21%
XYZ	2.4814, 3.1547, 1.1405
YIQ	46.8460, 5.8250, -11.9590

Conversions

Conversions Part 2

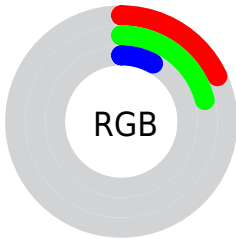
Format	Color
RYB	20, 53, 28
Decimal	2962708
CIELab	20.65, -9.66, 19.43
CIELCh	21, 21.703, 116.430
Yxy	3.1547, 0.3662, 0.4655
Android (android.graphics.Color)	4281152788 (0xFF2D3514)
YUV	46.8460, -13.2351, -1.6189
Hunter-Lab	17.7615, -6.1453, 8.6258

Details

The YIQ color **46.8460, 5.8250, -11.9590** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **26.1540, -5.8250, 11.9590**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.5040, 6.7880, -12.8920**, and **2.3480, -1.1000, -2.0920** is the 20% darker color. If you saturate the color by 10%, you get **45.9770, 6.8340, -13.7260**, and if you desaturate by 10%, it is **47.7150, 4.8160, -10.1920**.

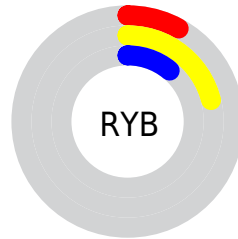
Distribution



Red (18%)

Green (21%)

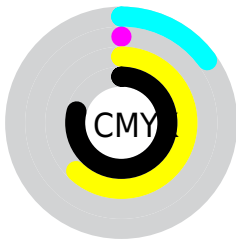
Blue (8%)



Red (8%)

Yellow (21%)

Blue (11%)

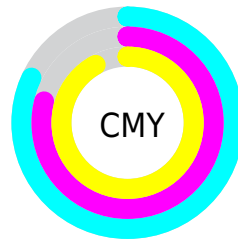


Cyan (15%)

Magenta (0%)

Yellow (62%)

Black (79%)



Cyan (82%)

Magenta (79%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.8460, 5.8250, -11.9590 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 46.8460, 5.8250, -11.9590 by changing the saturation by 10% instead.

■ 46.8460, 5.8250,
-11.9590

■ 46.8460, 5.8250,
-11.9590

■ 254.0880, 2.5680,
-2.4880

■ 26.5580, 6.6960,
-11.2240

■ 93.5040, 6.7880,
-12.8920

■ 2.3480, -1.1000,
-2.0920

■ 117.6890, 7.7050,
-12.9910

■ 0.0000, 0.0000,
0.0000

■ 143.2760, 7.4300,
-13.5140

■ 170.0480, 8.0720,
-14.1360

■ 197.0480, 8.0720,
-14.1360

■ 225.8200, 8.7140,

-14.7580

■ 250.2980, 10.3640,
-11.6200

■ 46.8460, 5.8250,
-11.9590

■ 46.8460, 5.8250,
-11.9590

■ 45.9770, 6.8340,
-13.7260

■ 47.7150, 4.8160,
-10.1920

■ 44.6950, 7.5680,
-16.0160

■ 48.9970, 4.0820,
-7.9020

■ 43.8260, 8.5770,
-17.7830

■ 49.8660, 3.0730,
-6.1350

■ 43.0710, 9.2650,
-19.2390

■ 50.7350, 2.0640,
-4.3680

■ 51.7180, 0.7340,
-2.2900

■ 52.8860, 0.3210,
-0.3110

■ 53.7550, -0.6880,
1.4560

■ 54.6240, -1.6970,
3.2230

■ 55.9060, -2.4310,
5.5130

Harmonies

Analogous

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



48.3530, 17.6990, -6.8850



46.8460, 5.8250, -11.9590



43.8810, -10.4510, -14.3470

Triad

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



46.8460, 5.8250, -11.9590



41.5360, -39.7960, -5.6520



50.3820, 19.8960, 13.8800

Complementary

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



46.8460, 5.8250, -11.9590



26.1540, -5.8250, 11.9590

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.



51.5640, 7.7000, 14.6440



46.8460, 5.8250, -11.9590



44.2430, -31.3610, 1.1750

Square

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



46.8460, 5.8250, -11.9590



41.2280, -36.1730, -10.7410



50.2460, -9.0800, 10.3760



49.4440, 25.3530, 8.5930

Rectangle

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



46.8460, 5.8250, -11.9590



39.7420, -26.1770, -15.6890



50.2460, -9.0800, 10.3760



51.0550, 16.5030, 14.7990

Sweetspot

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



46.8460, 5.8250, -11.9590



66.6210, 2.3850, -4.6790



34.5630, 17.4680, 2.8120



34.3760, 1.6970, -3.2230



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



46.8460, 5.8250, -11.9590



59.1850, 8.9440, -18.9280



42.0620, -3.7110, -15.3510



25.3590, 0.3670, -1.1450



72.5750, 16.0530, -32.1310



176.4150, 38.0690, -78.7230

Inverse Universe

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



26.1540, -5.8250, 11.9590



26.8150, -8.9440, 18.9280



30.9380, 3.7110, 15.3510



23.6410, -0.3670, 1.1450



16.7240, -15.4570, 32.3430



40.5850, -38.0690, 78.7230

Previews

White Background



This preview shows how the YIQ color 46.8460, 5.8250, -11.9590 looks on a white background.

Color Contrast Check

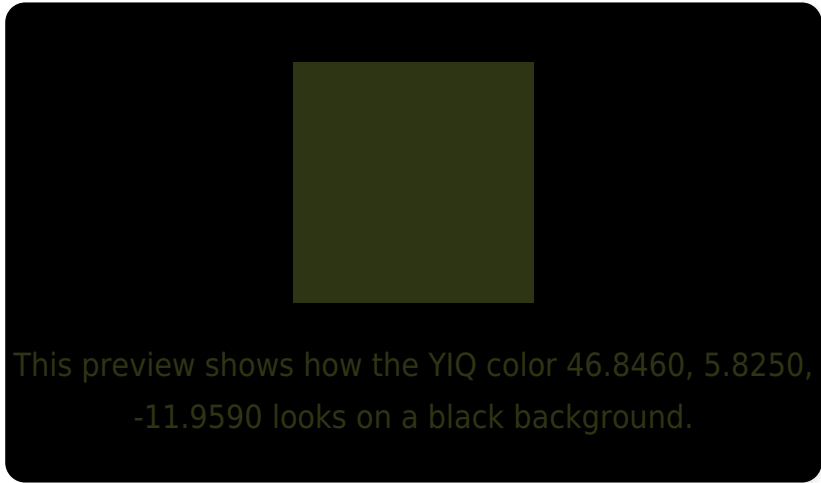
Large Text (above 18pt) WCAG AA ✓ Pass

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

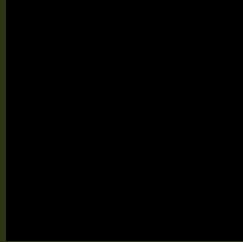
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

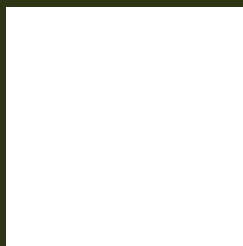
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 46.8460, 5.8250, -11.9590

Background



This preview shows how black text looks on a background with the YIQ color 46.8460, 5.8250, -11.9590.



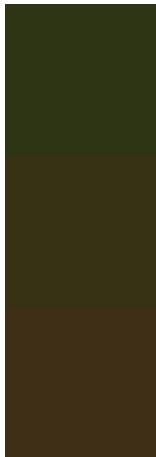
This preview shows how white text looks on a background with the YIQ color 46.8460, 5.8250,

-11.9590.

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

46.8460, 5.8250, -11.9590

Protanopia

47.9610, 12.9310, -8.5810

Deuteranopia

48.6350, 16.9650, -4.5950



Tritanopia

50.1570, -1.8800, 1.0320

Trichromacy



Original Color

46.8460, 5.8250, -11.9590

Protanomaly

47.3520, 10.2720, -9.9520

Deuteranomaly

47.9010, 13.1600, -7.2240

Tritanomaly

49.0770, 1.1010, -3.4350

Monochromacy



Original Color

46.8460, 5.8250, -11.9590

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.7350, 2.0640, -4.3680

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.8460, 5.8250, -11.9590 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(45, 53, 20)` looks like.

```
.text, #text, p{  
    color:rgb(45, 53, 20)  
}
```

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(45, 53, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 53, 20) }
```

Border

The CSS property to change the border of an element to YIQ 46.8460, 5.8250, -11.9590 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(45, 53, 20) }
```


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

```
.border{ border-color:rgb(45, 53, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 53, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 53, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 53, 20);  
box-shadow:4px 4px 4px 4px rgb(45, 53, 20)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.8460, 5.8250, -11.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 53, 20) }
```

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

```
.background{ background-color: rgb(45, 53,  
20) }
```

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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