

Converting Colors

YIQ(48.8100, 14.6740, -12.6380)

Have a look what the booklet for
YIQ(48.8100, 14.6740, -12.6380)
contains.

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Color

**YIQ(48.8100, 14.6740,
-12.6380)**

Conversions

Conversions Part 1

Format	Color
Hex	37350B
RGB	55, 53, 11
RGB Percent	22%, 21%, 4%
CMY	0.7843, 0.7922, 0.9568
CMYK	0.00, 0.04, 0.80, 0.78
HSL	57°, 67%, 13%
HSV	57°, 80%, 22%
XYZ	2.9088, 3.3824, 0.8169
YIQ	48.8100, 14.6740, -12.6380

Conversions

Conversions Part 2

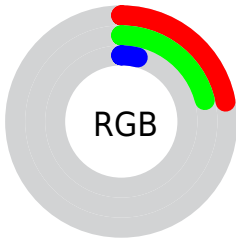
Format	Color
RYB	13, 55, 11
Decimal	3618059
CIELab	21.51, -5.30, 25.41
CIELCh	22, 25.957, 101.788
Yxy	3.3824, 0.4092, 0.4759
Android (android.graphics.Color)	4281808139 (0xFF37350B)
YUV	48.8100, -18.6403, 5.4286
Hunter-Lab	18.3913, -3.9525, 10.2405

Details

The YIQ color **48.8100, 14.6740, -12.6380** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17.1900, -14.6740, 12.6380**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.5930, 16.7830, -12.3130**, and **5.2830, -2.4750, -4.7070** is the 20% darker color. If you saturate the color by 10%, you get **48.2400, 16.2790, -14.1930**, and if you desaturate by 10%, it is **49.4940, 12.7480, -10.7720**.

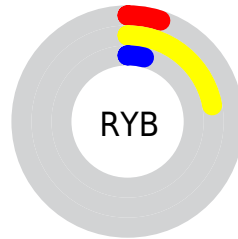
Distribution



Red (22%)

Green (21%)

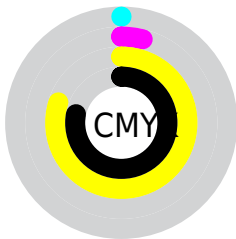
Blue (4%)



Red (5%)

Yellow (22%)

Blue (4%)

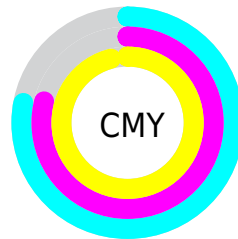


Cyan (0%)

Magenta (4%)

Yellow (80%)

Black (78%)



Cyan (78%)

Magenta (79%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.8100, 14.6740, -12.6380 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 48.8100, 14.6740, -12.6380 by changing the saturation by 10% instead.

■ 48.8100, 14.6740,
-12.6380

■ 48.8100, 14.6740,
-12.6380

■ 253.0620, 5.4570,
-5.2870

■ 28.6510, 10.8680,
-9.7400

■ 95.5930, 16.7830,
-12.3130

■ 5.2830, -2.4750,
-4.7070

■ 120.3650, 17.4250,
-12.9350

■ 0.0000, 0.0000,
0.0000

■ 146.4360, 18.6630,
-13.3450


■ 173.3220, 18.9840,
-13.6560


■ 200.5070, 19.9010,
-13.7550


■ 228.6920, 20.8180,


-13.8540


 249.8700, 14.4450,
-13.9950


 48.8100, 14.6740,
-12.6380


 48.8100, 14.6740,
-12.6380


 48.2400, 16.2790,
-14.1930


 49.4940, 12.7480,
-10.7720

 47.5560, 18.2050,
-16.0590

 50.0640, 11.1430,
-9.2170

 51.3350, 8.9420,
-7.8740

 51.9050, 7.3370,
-6.3190

 52.5890, 5.4110,
-4.4530

■ 53.1590, 3.8060,
-2.8980

■ 54.4300, 1.6050,
-1.5550

■ 55.0000, 0.0000,
0.0000

■ 55.6840, -1.9260,
1.8660

Harmonies

Analogous

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



50.1260, 25.7680, -4.4400



48.8100, 14.6740, -12.6380



46.7200, -2.7480, -16.2840

Triad

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



48.8100, 14.6740, -12.6380



43.9980, -41.2170, -7.4330



52.6470, 17.8320, 18.2480

Complementary

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



48.8100, 14.6740, -12.6380



17.1900, -14.6740, 12.6380

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.



53.1980, 0.0430, 15.7470



48.8100, 14.6740, -12.6380



43.4910, -43.9230, -2.4430

Square

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



48.8100, 14.6740, -12.6380



42.5330, -35.7140, -13.5540



49.0530, -24.7140, 7.3660



51.1010, 28.0570, 14.6570

Rectangle

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



48.8100, 14.6740, -12.6380



42.8690, -19.3450, -18.3610



49.0530, -24.7140, 7.3660



53.0100, 12.3760, 18.0080

Sweetspot

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



48.8100, 14.6740, -12.6380



69.0620, 5.4570, -5.2870



24.3840, 25.5820, 9.9500



34.1590, 3.8060, -2.8980



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.



48.8100, 14.6740, -12.6380



61.4870, 22.6530, -19.5790



44.0040, 2.2040, -17.9240



27.6580, 0.9630, -0.9330



79.1640, 30.6320, -26.5200



188.1640, 73.0490, -62.8790

Inverse Universe

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



17.1900, -14.6740, 12.6380



12.5130, -22.6530, 19.5790



21.9960, -2.2040, 17.9240



25.3420, -0.9630, 0.9330



12.8360, -30.6320, 26.5200



30.8360, -73.0490, 62.8790

Previews

White Background



This preview shows how the YIQ color 48.8100, 14.6740, -12.6380 looks on a white background.

Color Contrast Check

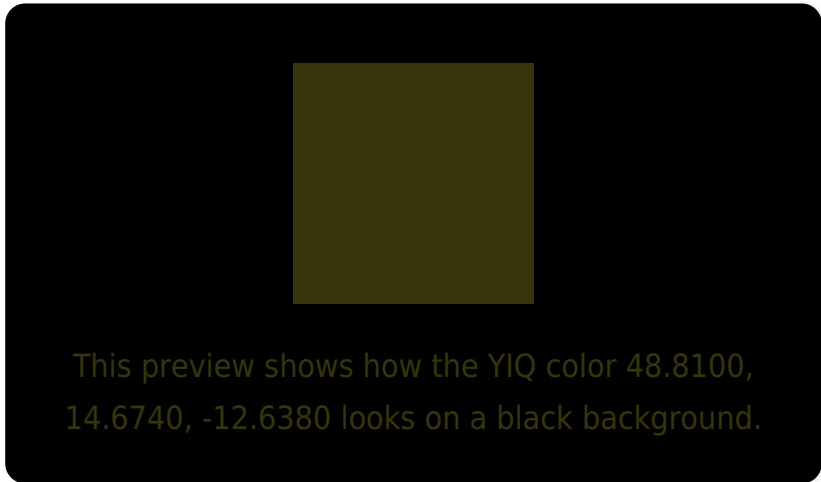
Large Text (above 18pt) WCAG AA ✓ Pass

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

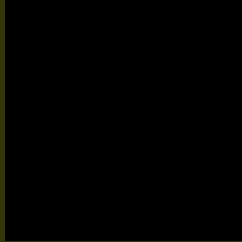
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.8100, 14.6740, -12.6380

Background



This preview shows how black text looks on a background with the YIQ color 48.8100, 14.6740, -12.6380.



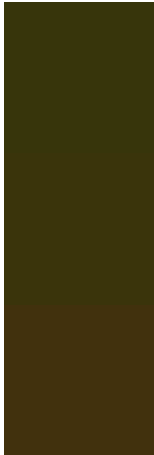
This preview shows how white text looks on a background with the YIQ color 48.8100, 14.6740,

-12.6380.

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

48.8100, 14.6740, -12.6380

Protanopia

49.1200, 16.7370, -11.4790

Deuteranopia

49.6800, 21.0920, -7.8040



Tritanopia

52.1470, 4.0800, 3.1520

Trichromacy



Original Color

48.8100, 14.6740, -12.6380

Protanomaly

48.8210, 16.1410, -11.6910

Deuteranomaly

48.9570, 18.7540, -9.4860

Tritanomaly

50.7250, 8.0240, -2.2480

Monochromacy



Original Color

48.8100, 14.6740, -12.6380

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.5890, 5.4110, -4.4530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.8100, 14.6740, -12.6380 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(55, 53, 11)` looks like.

```
.text, #text, p{  
    color:rgb(55, 53, 11)  
}
```

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(55, 53, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 53, 11) }
```

Border

The CSS property to change the border of an element to YIQ 48.8100, 14.6740, -12.6380 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(55, 53, 11) }
```


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

```
.border{ border-color:rgb(55, 53, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 53, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 53, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 53, 11);  
box-shadow:4px 4px 4px 4px rgb(55, 53, 11)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.8100, 14.6740, -12.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 53, 11) }
```

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

```
.background{ background-color: rgb(55, 53,  
11) }
```

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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