

Converting Colors

YIQ(180.6760, 95.6950,
-43.7690)

Have a look what the booklet for
YIQ(180.6760, 95.6950, -43.7690)
contains.

YIQ(180.6760, 95.6950, -43.7690)	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(180.6760, 95.6950,
-43.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	F5B700
RGB	245, 183, 0
RGB Percent	96%, 72%, 0%
CMY	0.0392, 0.2824, 0.9994
CMYK	0.00, 0.25, 1.00, 0.04
HSL	45°, 100%, 48%
HSV	45°, 100%, 96%
XYZ	54.5879, 53.2703, 7.4089
YIQ	180.6760, 95.6950, -43.7690

Conversions

Conversions Part 2

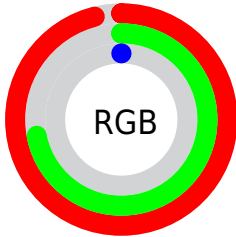
Format	Color
R _Y B	83, 245, 0
Decimal	16103168
CIE Lab	78.03, 10.29, 80.48
CIE LCh	78, 81.133, 82.712
Yxy	53.2703, 0.4736, 0.4621
Android (android.graphics.Color)	4294293248 (0xFFFF5B700)
YUV	180.6760, -89.0733, 56.4121
Hunter-Lab	72.9865, 5.7769, 45.0720

Details

The YIQ color **180.6760, 95.6950, -43.7690** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **64.3240, -95.6950, 43.7690**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **225.8860, 59.9330, -45.4350**, and **131.0270, 73.3180, -29.1940** is the 20% darker color. If you saturate the color by 10%, you get **180.6760, 95.6950, -43.7690**, and if you desaturate by 10%, it is **187.0480, 86.0200, -39.1320**.

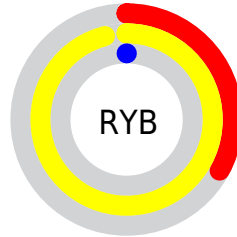
Distribution



Red (96%)

Green (72%)

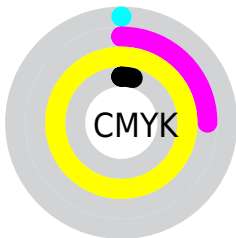
Blue (0%)



Red (33%)

Yellow (96%)

Blue (0%)

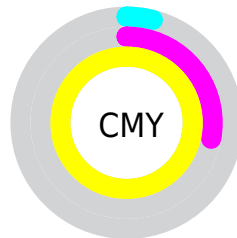


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 180.6760, 95.6950, -43.7690 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 180.6760, 95.6950, -43.7690 by changing the saturation by 10% instead.

180.6760, 95.6950,
-43.7690

180.6760, 95.6950,
-43.7690

255.0000, -0.0000,
-0.0000

155.5580, 84.6440,
-36.2200

225.8860, 59.9330,
-45.4350

131.0270, 73.3180,
-29.1940

238.5840, 46.2240,
-44.7840

107.9690, 62.0380,
-23.0020

241.8900, 36.9150,
-35.7650

84.9110, 50.7580,
-16.8100

245.1960, 27.6060,
-26.7460

63.0380, 40.3950,
-10.7170

248.5020, 18.2970,
-17.7270

41.7520, 29.7570,
-5.1470

251.8080, 8.9880,

22.5370, 20.3570,

-8.7080

0.0130

■ 1.4950, 2.9800,
1.0600

■ 0.0000, 0.0000,
0.0000

■ 180.6760, 95.6950,
-43.7690

■ 187.0480, 86.0200,
-39.1320

■ 193.3060, 76.6660,
-34.8060

■ 200.2650, 66.7160,
-30.6920

■ 206.5230, 57.3620,
-26.3660

■ 212.8950, 47.6870,
-21.7290

■ 219.1530, 38.3330,
-17.4030

■ 225.5250, 28.6580,
-12.7660

■ 232.3700, 19.0290,
-8.9630

■ 238.7420, 9.3540,
-4.3260

Harmonies

Analogous

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



173.6770, 87.0680, -3.0440



180.6760, 95.6950, -43.7690



175.6840, 39.3500, -63.3860

Triad

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



180.6760, 95.6950, -43.7690



162.2220, -142.6290, -41.8050



191.0170, 29.9750, 57.0070

Complementary

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



180.6760, 95.6950, -43.7690



64.3240, -95.6950, 43.7690

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.



181.6620, -39.2500, 17.5020



180.6760, 95.6950, -43.7690



159.3840, -142.9050, -36.8010

Square

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



180.6760, 95.6950, -43.7690



152.7430, -117.3160, -65.5400



150.5790, -138.7800, -28.9560



170.6080, 50.2400, 58.6880

Rectangle

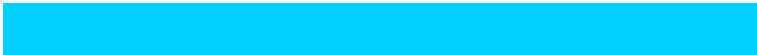
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



180.6760, 95.6950, -43.7690



169.0860, -14.5680, -66.4080



150.5790, -138.7800, -28.9560



192.6790, 15.9470, 46.9150

Sweetspot

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



180.6760, 95.6950, -43.7690



235.1830, 29.6210, -13.6990



80.6650, 125.1550, 72.1550



115.7120, 18.0660, -8.0300



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



180.6760, 95.6950, -43.7690



187.7750, 99.7300, -45.3100



200.0270, 44.6730, -88.2790



118.8710, 4.6770, -2.1630



137.2070, 72.6310, -33.2650



43.4690, 23.0640, -10.5040

Inverse Universe

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



64.3240, -95.6950, 43.7690



67.2250, -99.7300, 45.3100



44.9730, -44.6730, 88.2790



113.1290, -4.6770, 2.1630



48.7930, -72.6310, 33.2650



15.5310, -23.0640, 10.5040

Previews

White Background



This preview shows how the YIQ color 180.6760, 95.6950, -43.7690 looks on a white background.

Color Contrast Check

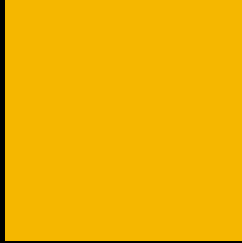
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 180.6760, 95.6950, -43.7690 looks on a black 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

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

YIQ 180.6760, 95.6950, -43.7690

Background



This preview shows how black text looks on a background with the YIQ color 180.6760, 95.6950, -43.7690.



This preview shows how white text looks on a background with the YIQ color 180.6760, 95.6950,

-43.7690.

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

180.6760, 95.6950, -43.7690

Protanopia

180.5420, 72.4050, -51.2030

Deuteranopia

180.3770, 95.0990, -43.9810



Tritanopia

196.5980, 45.8910, 21.8510

Trichromacy



Original Color

180.6760, 95.6950, -43.7690

Protanomaly

180.6140, 81.0700, -48.5460

Deuteranomaly

180.3770, 95.0990, -43.9810

Tritanomaly

191.1120, 63.9140, -1.9260

Monochromacy



Original Color

180.6760, 95.6950, -43.7690

Achromatopsia

181.0000, -0.0000, 0.0000

Achromatomaly

180.9400, 34.6190, -16.1730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 180.6760, 95.6950, -43.7690 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(245, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 183, 0)  
}
```

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(245, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 183, 0) }
```

Border

The CSS property to change the border of an element to YIQ 180.6760, 95.6950, -43.7690 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(245, 183, 0) }
```


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

```
.border{ border-color:rgb(245, 183, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 183, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 183,  
0) }
```

Background

The CSS property to change the background color of an element to YIQ 180.6760, 95.6950, -43.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 183, 0) }
```

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

```
.background{ background-color: rgb(245,  
183, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor