

Converting Colors

YIQ(180.3150, 80.4740,
-48.7580)

Have a look what the booklet for
YIQ(180.3150, 80.4740, -48.7580)
contains.

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Color

**YIQ(180.3150, 80.4740,
-48.7580)**

Conversions

Conversions Part 1

Format	Color
Hex	E3BE08
RGB	227, 190, 8
RGB Percent	89%, 75%, 3%
CMY	0.1098, 0.2549, 0.9681
CMYK	0.00, 0.16, 0.96, 0.11
HSL	50°, 93%, 46%
HSV	50°, 96%, 89%
XYZ	50.1310, 53.1676, 7.8533
YIQ	180.3150, 80.4740, -48.7580

Conversions

Conversions Part 2

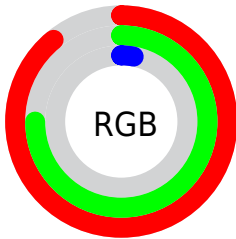
Format	Color
RYB	53, 227, 8
Decimal	14925320
CIELab	77.97, -1.08, 78.77
CIELCh	78, 78.779, 90.786
Yxy	53.1676, 0.4510, 0.4783
Android (android.graphics.Color)	4293115400 (0xFFE3BE08)
YUV	180.3150, -84.9513, 40.9427
Hunter-Lab	72.9161, -4.8816, 44.6556

Details

The YIQ color **180.3150, 80.4740, -48.7580** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **54.6850, -80.4740, 48.7580**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **230.3370, 57.0450, -48.1630**, and **130.3520, 61.8570, -36.2470** is the 20% darker color. If you saturate the color by 10%, you get **178.8160, 83.3170, -50.7230**, and if you desaturate by 10%, it is **185.2850, 71.9910, -43.6970**.

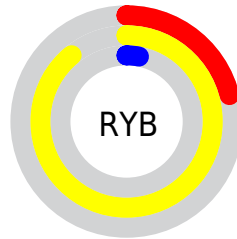
Distribution



Red (89%)

Green (75%)

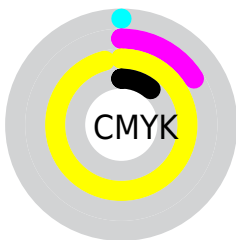
Blue (3%)



Red (21%)

Yellow (89%)

Blue (3%)

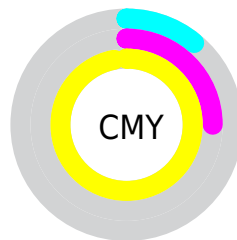


Cyan (0%)

Magenta (16%)

Yellow (96%)

Black (11%)



Cyan (11%)

Magenta (25%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 180.3150, 80.4740, -48.7580 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 180.3150, 80.4740, -48.7580 by changing the saturation by 10% instead.

180.3150, 80.4740,
-48.7580

180.3150, 80.4740,
-48.7580

255.0000, -0.0000,
-0.0000

154.5840, 72.5870,
-43.4850

230.3370, 57.0450,
-48.1630

130.3520, 61.8570,
-36.2470

238.9260, 45.2610,
-43.8510

106.7070, 50.8520,
-29.5320

242.2320, 35.9520,
-34.8320

83.9480, 40.1680,
-23.1280

245.5380, 26.6430,
-25.8130

62.0750, 29.8050,
-17.0350

248.8440, 17.3340,
-16.7940

41.3870, 20.3590,
-11.0410

252.1500, 8.0250,

22.4710, 11.5550,

-7.7750

-5.6690

■ 0.0000, 0.0000,
0.0000

■ 180.3150, 80.4740,
-48.7580

■ 180.3150, 80.4740,
-48.7580

■ 178.8160, 83.3170,
-50.7230

■ 185.2850, 71.9910,
-43.6970

■ 190.2550, 63.5080,
-38.6360

■ 195.1110, 55.3460,
-33.8860

■ 199.4940, 47.1380,
-28.3020

■ 204.4640, 38.6550,
-23.2410

■ 209.3200, 30.4930,
-18.4910

■ 214.2900, 22.0100,
-13.4300

■ 219.2600, 13.5270,
-8.3690

■ 224.1160, 5.3650,
-3.6190

Harmonies

Analogous

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



178.1790, 88.1700, -12.0060



180.3150, 80.4740, -48.7580



175.1300, 17.6630, -61.3210

Triad

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



180.3150, 80.4740, -48.7580



161.7320, -144.0050, -38.8930



186.9080, 31.9000, 60.6680

Complementary

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



180.3150, 80.4740, -48.7580



54.6850, -80.4740, 48.7580

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.



188.0400, -13.5310, 30.4770



180.3150, 80.4740, -48.7580



157.0360, -141.8050, -34.7090

Square

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



180.3150, 80.4740, -48.7580



155.2510, -124.3780, -58.6980



147.0570, -137.1300, -25.8180



168.8010, 56.7060, 51.6340

Rectangle

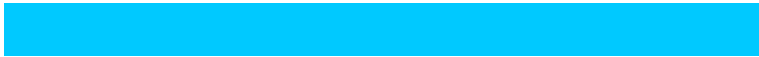
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



180.3150, 80.4740, -48.7580



164.6840, -39.7390, -67.2830



147.0570, -137.1300, -25.8180



193.3650, 28.8750, 54.9150

Sweetspot

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



180.3150, 80.4740, -48.7580



238.9330, 27.3290, -16.2150



78.0410, 117.6840, 58.8680



118.1740, 16.6450, -9.8110



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.



180.3150, 80.4740, -48.7580



200.6890, 93.6800, -56.8160



181.4030, 29.1750, -82.7370



112.4580, 4.4020, -2.6860



140.3970, 65.9840, -39.4560



39.9030, 18.8460, -11.1540

Inverse Universe

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



54.6850, -80.4740, 48.7580



54.3110, -93.6800, 56.8160



53.5970, -29.1750, 82.7370



105.5420, -4.4020, 2.6860



38.0160, -65.7090, 39.9790



11.0970, -18.8460, 11.1540

Previews

White Background



This preview shows how the YIQ color 180.3150, 80.4740, -48.7580 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 180.3150, 80.4740, -48.7580 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 180.3150, 80.4740, -48.7580

Background



This preview shows how black text looks on a background with the YIQ color 180.3150, 80.4740, -48.7580.



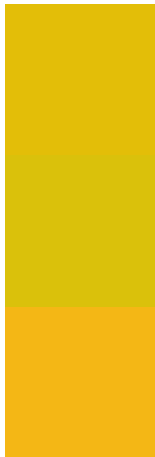
This preview shows how white text looks on a background with the YIQ color 180.3150, 80.4740, -48.7580.

-48.7580.

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

180.3150, 80.4740, -48.7580

Protanopia

179.7270, 73.3220, -51.3020

Deuteranopia

182.7710, 88.3580, -37.4500



Tritanopia

196.4220, 31.5870, 16.7630

Trichromacy



Original Color

180.3150, 80.4740, -48.7580

Protanomaly

179.9230, 75.7060, -50.4540

Deuteranomaly

182.1680, 85.5620, -41.8460

Tritanomaly

190.6370, 49.0140, -7.2260

Monochromacy



Original Color

180.3150, 80.4740, -48.7580

Achromatopsia

180.0000, -0.0000, -0.0000

Achromatomaly

180.2490, 29.2550, -18.0810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 180.3150, 80.4740, -48.7580 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(227, 190, 8)` looks like.

```
.text, #text, p{  
    color:rgb(227, 190, 8)  
}
```

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(227, 190, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 190, 8) }
```

Border

The CSS property to change the border of an element to YIQ 180.3150, 80.4740, -48.7580 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(227, 190, 8) }
```


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

```
.border{ border-color:rgb(227, 190, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 190, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 190, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 190, 8);  
box-shadow:4px 4px 4px 4px rgb(227, 190,  
8) }
```

Background

The CSS property to change the background color of an element to YIQ 180.3150, 80.4740, -48.7580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 190, 8) }
```

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

```
.background{ background-color: rgb(227,  
190, 8) }
```

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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