

Converting Colors

YIQ(185.7880, 80.5200,
-49.5920)

Have a look what the booklet for
YIQ(185.7880, 80.5200, -49.5920)
contains.

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Color

**YIQ(185.7880, 80.5200,
-49.5920)**

Conversions

Conversions Part 1

Format	Color
Hex	E8C40C
RGB	232, 196, 12
RGB Percent	91%, 77%, 5%
CMY	0.0902, 0.2314, 0.9524
CMYK	0.00, 0.16, 0.95, 0.09
HSL	50°, 90%, 48%
HSV	50°, 95%, 91%
XYZ	53.0798, 56.6542, 8.4894
YIQ	185.7880, 80.5200, -49.5920

Conversions

Conversions Part 2

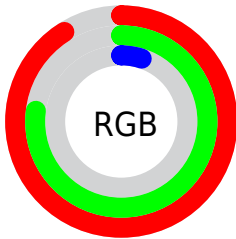
Format	Color
R_{YB}	55, 232, 12
Decimal	15254540
CIE _{Lab}	79.98, -1.98, 80.05
CIE _{LCh}	80, 80.074, 91.415
Yxy	56.6542, 0.4490, 0.4792
Android (android.graphics.Color)	4293444620 (0xFFE8C40C)
YUV	185.7880, -85.6775, 40.5279
Hunter-Lab	75.2690, -5.8423, 46.0011

Details

The YIQ color **185.7880, 80.5200, -49.5920** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed yellow. A complement of this color would be **58.2120, -80.5200, 49.5920**, and the grayscale version is **187.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **234.0870, 54.7530, -50.6790**, and **135.0700, 62.5910, -38.5370** is the 20% darker color. If you saturate the color by 10%, you get **183.2460, 84.9220, -52.2780**, and if you desaturate by 10%, it is **190.7580, 72.0370, -44.5310**.

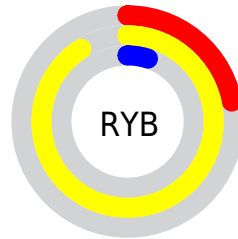
Distribution



Red (91%)

Green (77%)

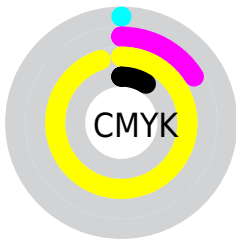
Blue (5%)



Red (22%)

Yellow (91%)

Blue (5%)

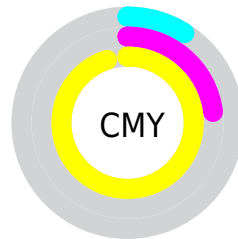


Cyan (0%)

Magenta (16%)

Yellow (95%)

Black (9%)



Cyan (9%)

Magenta (23%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 185.7880, 80.5200, -49.5920 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 185.7880, 80.5200, -49.5920 by changing the saturation by 10% instead.

185.7880, 80.5200,
-49.5920

185.7880, 80.5200,
-49.5920

255.0000, -0.0000,
-0.0000

159.3020, 73.3210,
-45.7750

234.2010, 54.4320,
-50.3680

135.0700, 62.5910,
-38.5370

239.2680, 44.2980,
-42.9180

111.1370, 52.4570,
-31.0870

242.5740, 34.9890,
-33.8990

88.3780, 41.7730,
-24.6830

245.7660, 26.0010,
-25.1910

66.5050, 31.4100,
-18.5900

249.1860, 16.3710,
-15.8610

45.5180, 21.3680,
-12.8080

252.4920, 7.0620,

25.7160, 12.2430,

-6.8420

-7.1250

■ 0.0000, 0.0000,
0.0000

■ 185.7880, 80.5200,
-49.5920

■ 185.7880, 80.5200,
-49.5920

■ 183.2460, 84.9220,
-52.2780

■ 190.7580, 72.0370,
-44.5310

■ 195.8420, 63.2330,
-39.1590

■ 200.2250, 55.0250,
-33.5750

■ 205.1950, 46.5420,
-28.5140

■ 210.1650, 38.0590,
-23.4530

■ 215.1350, 29.5760,
-18.3920

■ 220.2190, 20.7720,
-13.0200

■ 224.6020, 12.5640,
-7.4360

■ 229.5720, 4.0810,
-2.3750

Harmonies

Analogous

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



181.3420, 86.1530, -13.9990



185.7880, 80.5200, -49.5920



180.0050, 16.5170, -62.5790

Triad

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



185.7880, 80.5200, -49.5920



165.2540, -145.6550, -42.0310



189.2560, 30.8000, 58.5760

Complementary

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



185.7880, 80.5200, -49.5920



58.2120, -80.5200, 49.5920

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.



193.3670, -10.1380, 29.5580



185.7880, 80.5200, -49.5920



160.5580, -143.4550, -37.8470

Square

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



185.7880, 80.5200, -49.5920



159.5710, -128.2750, -59.6590



149.9920, -138.5050, -28.4330



171.6050, 54.3220, 50.7860

Rectangle

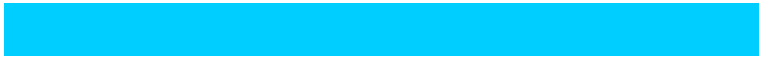
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



185.7880, 80.5200, -49.5920



168.7760, -42.9940, -68.8660



149.9920, -138.5050, -28.4330



195.7130, 27.7750, 52.8230

Sweetspot

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



185.7880, 80.5200, -49.5920



239.8620, 26.0910, -15.8050



81.9980, 119.2430, 58.1470



118.2880, 16.3240, -9.5000



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.



185.7880, 80.5200, -49.5920



201.2760, 93.4050, -57.3390



185.0930, 27.1120, -83.8960



112.4580, 4.4020, -2.6860



140.9840, 65.7090, -39.9790



40.4900, 18.5710, -11.6770

Inverse Universe

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



58.2120, -80.5200, 49.5920



53.7240, -93.4050, 57.3390



58.9070, -27.1120, 83.8960



105.5420, -4.4020, 2.6860



37.4290, -65.4340, 40.5020



10.5100, -18.5710, 11.6770

Previews

White Background



This preview shows how the YIQ color 185.7880, 80.5200, -49.5920 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 185.7880, 80.5200, -49.5920 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 185.7880, 80.5200, -49.5920

Background



This preview shows how black text looks on a background with the YIQ color 185.7880, 80.5200, -49.5920.



This preview shows how white text looks on a background with the YIQ color 185.7880, 80.5200, -49.5920.

-49.5920.

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

185.7880, 80.5200, -49.5920

Protanopia

185.3850, 74.2850, -52.2350

Deuteranopia

188.1410, 90.1920, -37.6480



Tritanopia

201.8350, 31.8620, 17.2860

Trichromacy



Original Color

185.7880, 80.5200, -49.5920

Protanomaly

185.5810, 76.6690, -51.3870

Deuteranomaly

187.3530, 86.4790, -41.9450

Tritanomaly

195.9360, 49.6100, -7.0140

Monochromacy



Original Color

185.7880, 80.5200, -49.5920

Achromatopsia

186.0000, -0.0000, -0.0000

Achromatomaly

186.2490, 29.2550, -18.0810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 185.7880, 80.5200, -49.5920 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(232, 196, 12)` looks like.

```
.text, #text, p{  
    color:rgb(232, 196, 12)  
}
```

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(232, 196, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 196, 12) }
```

Border

The CSS property to change the border of an element to YIQ 185.7880, 80.5200, -49.5920 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(232, 196, 12) }
```


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

```
.border{ border-color:rgb(232, 196, 12) }
```

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

Here you see how a box with a 4 pixel rgb(232, 196, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 196, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 196, 12);  
box-shadow:4px 4px 4px 4px rgb(232, 196,  
12) }
```

Background

The CSS property to change the background color of an element to YIQ 185.7880, 80.5200, -49.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 196, 12) }
```

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

```
.background{ background-color: rgb(232,  
196, 12) }
```

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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