

Converting Colors

YIQ(188.3370, 83.4080,
-46.8640)

Have a look what the booklet for
YIQ(188.3370, 83.4080, -46.8640)
contains.

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Color

**YIQ(188.3370, 83.4080,
-46.8640)**

Conversions

Conversions Part 1

Format	Color
Hex	EFC410
RGB	239, 196, 16
RGB Percent	94%, 77%, 6%
CMY	0.0628, 0.2314, 0.9367
CMYK	0.00, 0.18, 0.93, 0.06
HSL	48°, 87%, 50%
HSV	48°, 93%, 94%
XYZ	55.4259, 57.8595, 8.7417
YIQ	188.3370, 83.4080, -46.8640

Conversions

Conversions Part 2

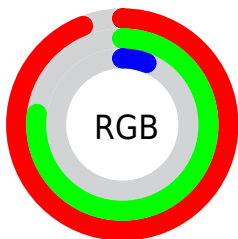
Format	Color
RYB	69, 239, 16
Decimal	15713296
CIELab	80.66, 1.09, 80.38
CIELCh	81, 80.384, 89.224
Yxy	57.8595, 0.4542, 0.4742
Android (android.graphics.Color)	4293903376 (0xFFEFC410)
YUV	188.3370, -84.9621, 44.4315
Hunter-Lab	76.0655, -3.0486, 46.4320

Details

The YIQ color **188.3370, 83.4080, -46.8640** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **66.6630, -83.4080, 46.8640**, and the grayscale version is **189.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **234.3150, 54.1110, -50.0570**, and **137.1630, 66.7630, -37.0530** is the 20% darker color. If you saturate the color by 10%, you get **184.7520, 89.3690, -50.2710**, and if you desaturate by 10%, it is **194.0080, 74.3290, -42.0150**.

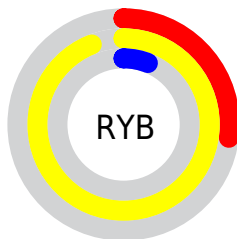
Distribution



Red (94%)

Green (77%)

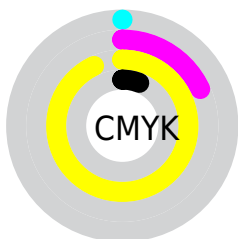
Blue (6%)



Red (27%)

Yellow (94%)

Blue (6%)

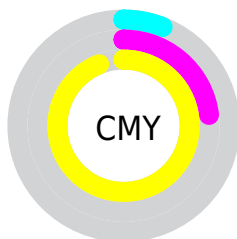


Cyan (0%)

Magenta (18%)

Yellow (93%)

Black (6%)



Cyan (6%)

Magenta (23%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 188.3370, 83.4080, -46.8640 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 188.3370, 83.4080, -46.8640 by changing the saturation by 10% instead.

188.3370, 83.4080,
-46.8640

188.3370, 83.4080,
-46.8640

255.0000, -0.0000,
-0.0000

161.3950, 77.4930,
-44.2910

234.3150, 54.1110,
-50.0570

137.1630, 66.7630,
-37.0530

239.3820, 43.9770,
-42.6070

112.9310, 56.0330,
-29.8150

242.6880, 34.6680,
-33.5880

90.1720, 45.3490,
-23.4110

245.9940, 25.3590,
-24.5690

68.2990, 34.9860,
-17.3180

249.3000, 16.0500,
-15.5500

47.3120, 24.9440,
-11.5360

252.7200, 6.4200,

27.2110, 15.2230,

-6.2200

-6.0650

■ 2.6800, 3.8970,
0.9610

■ 0.0000, 0.0000,
0.0000

■ 188.3370, 83.4080,
-46.8640

■ 188.3370, 83.4080,
-46.8640

■ 184.7520, 89.3690,
-50.2710

■ 194.0080, 74.3290,
-42.0150

■ 199.0920, 65.5250,
-36.6430

■ 204.7630, 56.4460,
-31.7940

■ 209.8470, 47.6420,
-26.4220

■ 215.5180, 38.5630,
-21.5730

■ 221.1890, 29.4840,
-16.7240

■ 226.1590, 21.0010,
-11.6630

■ 231.8300, 11.9220,
-6.8140

■ 236.9140, 3.1180,
-1.4420

Harmonies

Analogous

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



181.3250, 84.8230, -11.9210



188.3370, 83.4080, -46.8640



182.6420, 21.9730, -62.3390

Triad

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



188.3370, 83.4080, -46.8640



167.0150, -146.4800, -43.6000



191.6040, 29.7000, 56.4840

Complementary

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



188.3370, 83.4080, -46.8640



66.6630, -83.4080, 46.8640

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.



193.6220, -15.4100, 25.9820



188.3370, 83.4080, -46.8640



162.3190, -144.2800, -39.4160

Square

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



188.3370, 83.4080, -46.8640



160.2890, -127.5410, -61.9490



152.3400, -139.6050, -30.5250



173.5770, 51.5250, 51.9170

Rectangle

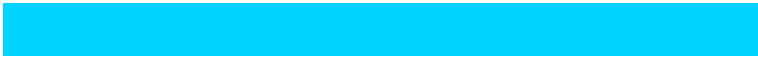
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



188.3370, 83.4080, -46.8640



172.4950, -34.8330, -68.0890



152.3400, -139.6050, -30.5250



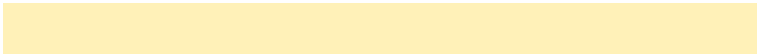
198.0610, 26.6750, 50.7310

Sweetspot

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



188.3370, 83.4080, -46.8640



238.6880, 26.6410, -14.7590



87.8070, 118.4630, 61.2710



117.7010, 16.5990, -8.9770



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.



188.3370, 83.4080, -46.8640



197.1670, 95.3300, -53.6780



193.5450, 31.6510, -83.5570



117.4580, 4.4020, -2.6860



141.8920, 68.9640, -38.3960



43.1590, 21.0010, -11.6630

Inverse Universe

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



66.6630, -83.4080, 46.8640



57.8330, -95.3300, 53.6780



61.4550, -31.6510, 83.5570



110.5420, -4.4020, 2.6860



41.5210, -68.6890, 38.9190



12.8410, -21.0010, 11.6630

Previews

White Background



This preview shows how the YIQ color 188.3370, 83.4080, -46.8640 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 188.3370, 83.4080, -46.8640 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 188.3370, 83.4080, -46.8640

Background



This preview shows how black text looks on a background with the YIQ color 188.3370, 83.4080, -46.8640.



This preview shows how white text looks on a background with the YIQ color 188.3370, 83.4080, -46.8640.

-46.8640.

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

188.3370, 83.4080, -46.8640

Protanopia

187.6130, 73.6430, -51.6130

Deuteranopia

189.9130, 90.8340, -38.2700



Tritanopia

203.6290, 35.4380, 18.5580

Trichromacy



Original Color

188.3370, 83.4080, -46.8640

Protanomaly

187.8200, 77.4940, -49.8180

Deuteranomaly

189.2500, 88.2670, -41.3090

Tritanomaly

197.9580, 52.5440, -5.1200

Monochromacy



Original Color

188.3370, 83.4080, -46.8640

Achromatopsia

188.0000, 0.0000, 0.0000

Achromatomaly

188.2600, 30.7220, -17.1340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 188.3370, 83.4080, -46.8640 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(239, 196, 16)` looks like.

```
.text, #text, p{  
    color:rgb(239, 196, 16)  
}
```

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(239, 196, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 196, 16) }
```

Border

The CSS property to change the border of an element to YIQ 188.3370, 83.4080, -46.8640 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(239, 196, 16) }
```


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

```
.border{ border-color:rgb(239, 196, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 196, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 196, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 196, 16);  
box-shadow:4px 4px 4px 4px rgb(239, 196,  
16) }
```

Background

The CSS property to change the background color of an element to YIQ 188.3370, 83.4080, -46.8640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 196, 16) }
```

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

```
.background{ background-color: rgb(239,  
196, 16) }
```

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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