

Converting Colors

YIQ(196.6670, 82.7190,
-39.8810)

Have a look what the booklet for
YIQ(196.6670, 82.7190, -39.8810)
contains.

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Color

**YIQ(196.6670, 82.7190,
-39.8810)**

Conversions

Conversions Part 1

Format	Color
Hex	FBC825
RGB	251, 200, 37
RGB Percent	98%, 78%, 15%
CMY	0.0157, 0.2157, 0.8544
CMYK	0.00, 0.20, 0.85, 0.02
HSL	46°, 96%, 56%
HSV	46°, 85%, 98%
XYZ	60.7705, 61.9429, 10.5130
YIQ	196.6670, 82.7190, -39.8810

Conversions

Conversions Part 2

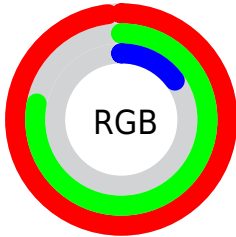
Format	Color
RYB	104, 251, 37
Decimal	16500773
CIELab	82.88, 4.53, 78.74
CIELCh	83, 78.865, 86.710
Yxy	61.9429, 0.4561, 0.4649
Android (android.graphics.Color)	4294690853 (0xFFFB825)
YUV	196.6670, -78.7158, 47.6500
Hunter-Lab	78.7038, 0.0955, 47.1729

Details

The YIQ color **196.6670, 82.7190, -39.8810** 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 **91.3330, -82.7190, 39.8810**, and the grayscale version is **197.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **237.3300, 49.7550, -48.2050**, and **142.8000, 72.2190, -36.8130** is the 20% darker color. If you saturate the color by 10%, you get **190.2950, 92.3940, -44.5180**, and if you desaturate by 10%, it is **203.0390, 73.0440, -35.2440**.

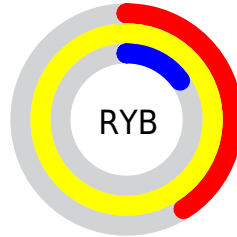
Distribution



Red (98%)

Green (78%)

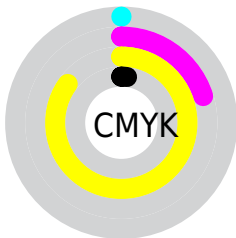
Blue (15%)



Red (41%)

Yellow (98%)

Blue (15%)

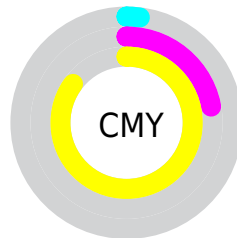


Cyan (0%)

Magenta (20%)

Yellow (85%)

Black (2%)



Cyan (2%)

Magenta (22%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 196.6670, 82.7190, -39.8810 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 196.6670, 82.7190, -39.8810 by changing the saturation by 10% instead.

196.6670, 82.7190,
-39.8810

196.6670, 82.7190,
-39.8810

255.0000, -0.0000,
-0.0000

167.3310, 83.5450,
-43.8390

237.3300, 49.7550,
-48.2050

142.8000, 72.2190,
-36.8130

240.6360, 40.4460,
-39.1860

118.5680, 61.4890,
-29.5750

243.9420, 31.1370,
-30.1670

95.8090, 50.8050,
-23.1710

247.1340, 22.1490,
-21.4590

73.0500, 40.1210,
-16.7670

250.5540, 12.5190,
-12.1290

52.0630, 30.0790,
-10.9850

253.8600, 3.2100,

31.9620, 20.3580,

-3.1100

-5.5140

■ 10.9860, 11.7830,
1.2150

■ 0.0000, 0.0000,
0.0000

■ 196.6670, 82.7190,
-39.8810

■ 196.6670, 82.7190,
-39.8810

■ 190.2950, 92.3940,
-44.5180

■ 203.0390, 73.0440,
-35.2440

■ 187.1660, 97.0710,
-46.6810

■ 209.4110, 63.3690,
-30.6070

■ 215.7830, 53.6940,
-25.9700

■ 222.2690, 43.6980,
-21.0220

■ 228.6410, 34.0230,
-16.3850

■ 235.0130, 24.3480,
-11.7480

■ 241.3850, 14.6730,
-7.1110

■ 247.7570, 4.9980,
-2.4740

■ 253.2170, -2.1090,
-0.3250

Harmonies

Analogous

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



185.8560, 78.9540, -10.1820



196.6670, 82.7190, -39.8810



190.4470, 27.0160, -60.1200

Triad

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



196.6670, 82.7190, -39.8810



170.5370, -148.1300, -46.7380



197.4740, 26.9500, 51.2540

Complementary

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



196.6670, 82.7190, -39.8810



91.3330, -82.7190, 39.8810

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.



197.7090, -20.2690, 20.4270



196.6670, 82.7190, -39.8810



166.4280, -146.2050, -43.0770

Square

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



196.6670, 82.7190, -39.8810



163.8110, -129.1910, -65.0870



156.4490, -141.5300, -34.1860



180.3420, 44.8770, 51.2530

Rectangle

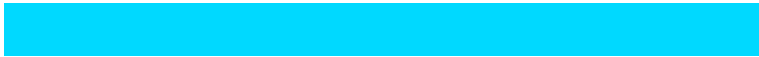
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



196.6670, 82.7190, -39.8810



181.7520, -25.2510, -65.5310



156.4490, -141.5300, -34.1860



203.9310, 23.9250, 45.5010

Sweetspot

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



196.6670, 82.7190, -39.8810



238.0840, 25.5860, -12.1580



107.1420, 110.2100, 62.1620



117.5700, 15.5900, -7.2100



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.



196.6670, 82.7190, -39.8810



190.1230, 98.6300, -47.4020



210.7570, 37.1060, -77.7900



121.7570, 4.9980, -2.4740



141.0390, 73.0440, -35.2440



45.8280, 23.4310, -11.6490

Inverse Universe

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



91.3330, -82.7190, 39.8810



64.8770, -98.6300, 47.4020



77.5420, -36.5100, 78.0020



115.2430, -4.9980, 2.4740



47.9610, -73.0440, 35.2440



15.7590, -23.7060, 11.1260

Previews

White Background



This preview shows how the YIQ color 196.6670, 82.7190, -39.8810 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 196.6670, 82.7190, -39.8810 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 196.6670, 82.7190, -39.8810

Background



This preview shows how black text looks on a background with the YIQ color 196.6670, 82.7190, -39.8810.



This preview shows how white text looks on a background with the YIQ color 196.6670, 82.7190, -39.8810.

-39.8810.

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

196.6670, 82.7190, -39.8810

Protanopia

195.6220, 69.4240, -46.7360

Deuteranopia

201.4600, 70.8410, -22.8470



Tritanopia

210.1020, 35.4840, 17.7240

Trichromacy



Original Color

196.6670, 82.7190, -39.8810

Protanomaly

195.8400, 74.7420, -43.9940

Deuteranomaly

199.8100, 75.4270, -28.8690

Tritanomaly

205.3110, 53.0480, -3.2400

Monochromacy



Original Color

196.6670, 82.7190, -39.8810

Achromatopsia

197.0000, -0.0000, -0.0000

Achromatomaly

196.9550, 30.2630, -14.3210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 196.6670, 82.7190, -39.8810 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(251, 200, 37)` looks like.

```
.text, #text, p{  
    color:rgb(251, 200, 37)  
}
```

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(251, 200, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 200, 37) }
```

Border

The CSS property to change the border of an element to YIQ 196.6670, 82.7190, -39.8810 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(251, 200, 37) }
```


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

```
.border{ border-color:rgb(251, 200, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 200, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 200, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 200, 37);  
box-shadow:4px 4px 4px 4px rgb(251, 200,  
37) }
```

Background

The CSS property to change the background color of an element to YIQ 196.6670, 82.7190, -39.8810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 200, 37) }
```

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

```
.background{ background-color: rgb(251,  
200, 37) }
```

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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