

# Converting Colors

YIQ(206.2220, 48.7980,  
-80.4340)

Have a look what the booklet for  
YIQ(206.2220, 48.7980, -80.4340)  
contains.

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# Color

**YIQ(206.2220, 48.7980,  
-80.4340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF50F
RGB	203, 245, 15
RGB Percent	80%, 96%, 6%
CMY	0.2042, 0.0391, 0.9407
CMYK	0.17, 0.00, 0.94, 0.04
HSL	71°, 92%, 51%
HSV	71°, 94%, 96%
XYZ	57.3562, 78.0377, 12.4953
YIQ	206.2220, 48.7980, -80.4340

# Conversions

## Conversions Part 2

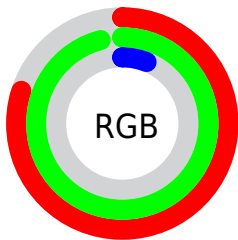
Format	Color
<a href="#">RYB</a>	<a href="#">15, 245, 57</a>
Decimal	<a href="#">13366543</a>
CIELab	<a href="#">90.80, -37.81, 86.94</a>
CIElCh	<a href="#">91, 94.807, 113.503</a>
Yxy	<a href="#">78.0377, 0.3878, 0.5277</a>
Android (android.graphics.Color)	<a href="#">4291556623 (0xFFCBF50F)</a>
YUV	<a href="#">206.2220, -94.2724, -2.8257</a>
Hunter-Lab	<a href="#">88.3389, -38.6977, 53.4509</a>

# Details

The YIQ color **206.2220, 48.7980, -80.4340** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light saturated yellow. A complement of this color would be **53.7780, -48.7980, 80.4340**, and the grayscale version is **207.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **236.8740, 51.0390, -49.4490**, and **153.9990, 33.8490, -68.3190** is the 20% darker color. If you saturate the color by 10%, you get **203.6150, 51.8250, -85.7350**, and if you desaturate by 10%, it is **210.2680, 43.1570, -71.8110**.

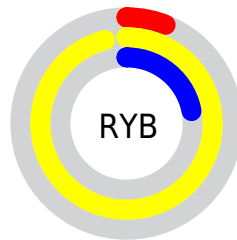
# Distribution



Red (80%)

Green (96%)

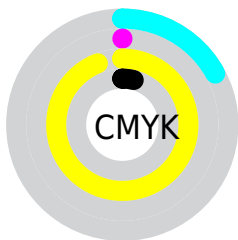
Blue (6%)



Red (6%)

Yellow (96%)

Blue (22%)

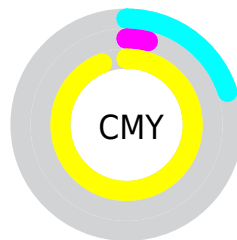


Cyan (17%)

Magenta (0%)

Yellow (94%)

Black (4%)



Cyan (20%)

Magenta (4%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 206.2220, 48.7980, -80.4340 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 206.2220, 48.7980, -80.4340 by changing the saturation by 10% instead.




 206.2220, 48.7980,  
-80.4340


 206.2220, 48.7980,  
-80.4340


255.0000, -0.0000,  
-0.0000


 179.1060, 43.4330,  
-76.8150


 236.8740, 51.0390,  
-49.4490


 153.7000, 33.2530,  
-68.5310


 240.4080, 41.0880,  
-39.8080


 129.1800, 23.3940,  
-60.5580


 243.8280, 31.4580,  
-30.4780

 104.6600, 13.5350,  
-52.5850

 247.1340, 22.1490,  
-21.4590

 81.0150, 2.5300,  
-45.8700

 250.5540, 12.5190,  
-12.1290

 56.1740, -10.8590,  
-40.0030

 254.0880, 2.5680,

 35.8070, -16.7750,

-2.4880

-31.9030

■ 23.4800, -11.0000,  
-20.9200

■ 2.9350, -1.3750,  
-2.6150

■ 206.2220, 48.7980,  
-80.4340

■ 206.2220, 48.7980,  
-80.4340

■ 203.6150, 51.8250,  
-85.7350

■ 210.2680, 43.1570,  
-71.8110

■ 214.4990, 38.4330,  
-63.2870

■ 218.5450, 32.7920,  
-54.6640

■ 222.7760, 28.0680,  
-46.1400

■ 226.8220, 22.4270,  
-37.5170

■ 231.0530, 17.7030,  
-28.9930

■ 235.0990, 12.0620,  
-20.3700

■ 239.3300, 7.3380,  
-11.8460

■ 243.3760, 1.6970,  
-3.2230

# Harmonies

## Analogous

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



204.2110, 92.0300, -59.9540



206.2220, 48.7980, -80.4340



182.6000, -66.4660, -84.0180

# Triad

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



206.2220, 48.7980, -80.4340



178.7550, -151.9800, -54.0600



185.3920, 33.4130, 60.7810

# Complementary

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



206.2220, 48.7980, -80.4340



53.7780, -48.7980, 80.4340

# 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.



205.1050, 23.3750, 44.4550



206.2220, 48.7980, -80.4340



172.8850, -149.2300, -48.8300

# Square

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



206.2220, 48.7980, -80.4340



178.7550, -151.9800, -54.0600



210.0140, -28.9780, 7.5500



178.6540, 60.6530, 29.6530



# Rectangle

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



206.2220, 48.7980, -80.4340



169.5210, -125.9790, -79.2510



210.0140, -28.9780, 7.5500



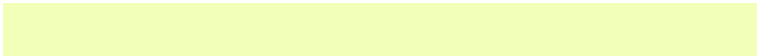
190.4300, 30.2500, 57.5300

# Sweetspot

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



206.2220, 48.7980, -80.4340



243.0190, 15.0430, -24.8370



106.0760, 126.6300, 28.8860



120.5920, 9.3560, -15.3800



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.



206.2220, 48.7980, -80.4340



211.8770, 53.8430, -89.2690



173.0330, -17.3580, -103.9660



120.0340, 2.6600, -4.1560



154.6300, 39.4420, -65.0540



48.9850, 12.3830, -20.6810



# Inverse Universe

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



53.7780, -48.7980, 80.4340



43.1230, -53.8430, 89.2690



86.9670, 17.3580, 103.9660



111.9660, -2.6600, 4.1560



31.3700, -39.4420, 65.0540

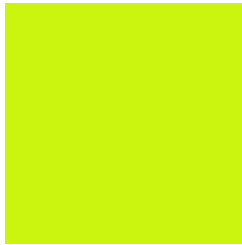


10.0150, -12.3830, 20.6810



# Previews

## White Background



This preview shows how the YIQ color 206.2220, 48.7980, -80.4340 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 206.2220, 48.7980, -80.4340 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 206.2220, 48.7980, -80.4340

## Background



This preview shows how black text looks on a background with the YIQ color 206.2220, 48.7980, -80.4340.



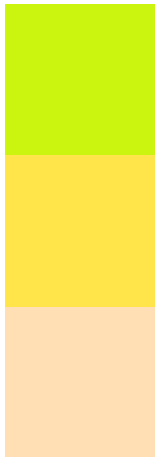
This preview shows how white text looks on a background with the YIQ color 206.2220, 48.7980, -80.4340.

-80.4340.

# 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

206.2220, 48.7980, -80.4340

### Protanopia

218.9900, 65.5720, -43.0040

### Deuteranopia

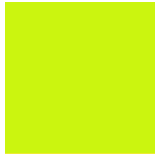
227.5520, 33.1960, -6.9000



## Tritanopia

228.5570, -8.7580, 4.5380

# Trichromacy



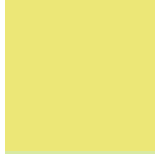
## Original Color

206.2220, 48.7980, -80.4340



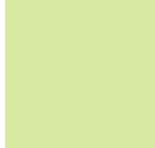
## Protanomaly

214.4370, 59.3390, -56.7010



## Deuteranomaly

219.7270, 38.9320, -33.7720



## Tritanomaly

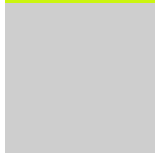
220.4100, 12.3840, -26.2080

# Monochromacy



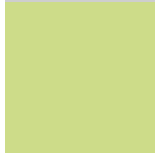
## Original Color

206.2220, 48.7980, -80.4340



## Achromatopsia

206.0000, -0.0000, 0.0000



## Achromatomaly

206.0530, 17.7030, -28.9930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 206.2220, 48.7980, -80.4340 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(203, 245, 15)` looks like.

```
.text, #text, p{  
    color:rgb(203, 245, 15)  
}
```

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(203, 245, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 245, 15) }
```

## Border

The CSS property to change the border of an element to YIQ 206.2220, 48.7980, -80.4340 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(203, 245, 15) }
```



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

```
.border{ border-color:rgb(203, 245, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 245, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 245, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 245, 15);  
box-shadow:4px 4px 4px 4px rgb(203, 245,  
15) }
```

# Background

The CSS property to change the background color of an element to YIQ 206.2220, 48.7980, -80.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 245, 15) }
```

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

```
.background{ background-color: rgb(203,  
245, 15) }
```

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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