

# Converting Colors

YIQ(206.9380, 34.6780,  
-88.8580)

Have a look what the booklet for  
YIQ(206.9380, 34.6780, -88.8580)  
contains.

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# **Color**

**YIQ(206.9380, 34.6780,  
-88.8580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FF11
RGB	185, 255, 17
RGB Percent	73%, 100%, 7%
CMY	0.2748, 0.0000, 0.9329
CMYK	0.27, 0.00, 0.93, 0.00
HSL	78°, 100%, 53%
HSV	78°, 93%, 100%
XYZ	55.8500, 81.8650, 13.3916
YIQ	206.9380, 34.6780, -88.8580

# Conversions

## Conversions Part 2

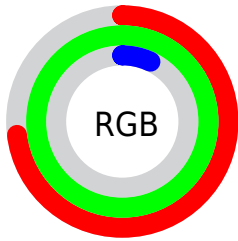
Format	Color
R <sub>Y</sub> B	17, 255, 87
Decimal	12189457
CIE Lab	92.52, -48.95, 87.63
CIE LCh	93, 100.376, 119.185
Yxy	81.8650, 0.3696, 0.5418
Android (android.graphics.Color)	4290379537 (0xFFB9FF11)
YUV	206.9380, -93.6394, -19.2396
Hunter-Lab	90.4793, -48.1563, 54.5601

# Details

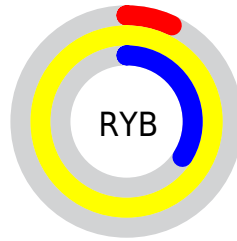
The YIQ color **206.9380, 34.6780, -88.8580** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed chartreuse. A complement of this color would be **65.0620, -34.6780, 88.8580**, and the grayscale version is **208.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **234.4110, 45.0330, -50.7350**, and **153.6010, 20.0500, -77.0540** is the 20% darker color. If you saturate the color by 10%, you get **203.5050, 37.1550, -95.2050**, and if you desaturate by 10%, it is **211.9950, 30.5040, -79.2880**.

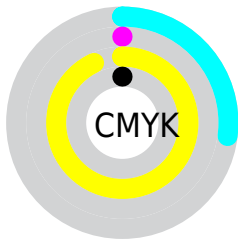
# Distribution



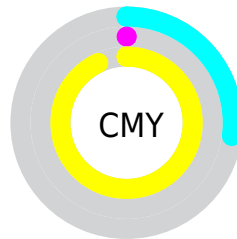
- Red (73%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (34%)



- Cyan (27%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 206.9380, 34.6780, -88.8580 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 206.9380, 34.6780, -88.8580 by changing the saturation by 10% instead.





 206.9380, 34.6780,  
-88.8580


 206.9380, 34.6780,  
-88.8580


255.0000, -0.0000,  
-0.0000


 179.0070, 30.2300,  
-85.3380

 234.4110, 45.0330,  
-50.7350


 153.6010, 20.0500,  
-77.0540


 240.6360, 40.4460,  
-39.1860


 128.1950, 9.8700,  
-68.7700


 244.0560, 30.8160,  
-29.8560


 103.0770, -1.1810,  
-61.2210

 247.4760, 21.1860,  
-20.5260

 76.1540, -17.2750,  
-55.8910

 250.8960, 11.5560,  
-11.1960

 54.0040, -25.3000,  
-48.1160

 254.3160, 1.9260,

 39.3290, -18.4250,

-1.8660

-35.0410

■ 26.4150, -12.3750,  
-23.5350

■ 9.3920, -4.4000,  
-8.3680

■ 206.9380, 34.6780,  
-88.8580

■ 206.9380, 34.6780,  
-88.8580

■ 203.5050, 37.1550,  
-95.2050

■ 211.9950, 30.5040,  
-79.2880

■ 217.2370, 27.2470,  
-69.8170

■ 222.2940, 23.0730,  
-60.2470

■ 227.5360, 19.8160,  
-50.7760

■ 232.5930, 15.6420,  
-41.2060

■ 237.8350, 12.3850,  
-31.7350

■ 243.1910, 8.8070,  
-21.9530

■ 248.1340, 4.9540,  
-12.6940

■ 253.4900, 1.3760,  
-2.9120

# Harmonies

## Analogous

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



210.0810, 89.2800, -65.1840



206.9380, 34.6780, -88.8580



164.2770, -111.2130, -93.5570

# Triad

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



206.9380, 34.6780, -88.8580



178.7550, -151.9800, -54.0600



179.9150, 39.1900, 60.7100

# Complementary

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



206.9380, 34.6780, -88.8580



65.0620, -34.6780, 88.8580

# 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.



200.4090, 25.5750, 48.6390



206.9380, 34.6780, -88.8580



173.4720, -149.5050, -49.3530

# Square

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



206.9380, 34.6780, -88.8580



178.7550, -151.9800, -54.0600



218.1310, -7.0180, 17.0620



178.4770, 65.2850, 22.7970



# Rectangle

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



206.9380, 34.6780, -88.8580



171.8010, -132.3990, -73.0310



218.1310, -7.0180, 17.0620



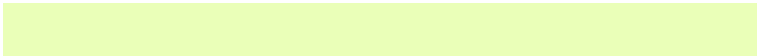
185.1470, 32.7250, 62.2370

# Sweetspot

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



206.9380, 34.6780, -88.8580



240.6270, 10.2750, -26.5330



128.0780, 123.1480, 14.8920



119.0970, 6.3760, -16.4400



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.



206.9380, 34.6780, -88.8580



203.5050, 37.1550, -95.2050



172.2540, -34.4580, -113.4500



125.3220, 1.7890, -4.8910



152.4820, 27.9350, -71.2730



51.0230, 9.2200, -23.9320



# Inverse Universe

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



65.0620, -34.6780, 88.8580



51.4950, -37.1550, 95.2050



99.7460, 34.4580, 113.4500



117.6780, -1.7890, 4.8910



38.5180, -27.9350, 71.2730

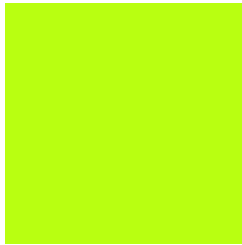


12.9770, -9.2200, 23.9320



# Previews

## White Background



This preview shows how the YIQ color 206.9380, 34.6780, -88.8580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

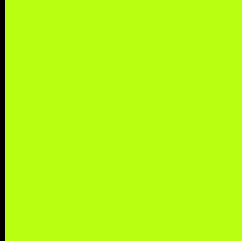
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 206.9380, 34.6780, -88.8580 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 206.9380, 34.6780, -88.8580

## Background



This preview shows how black text looks on a background with the YIQ color 206.9380, 34.6780, -88.8580.



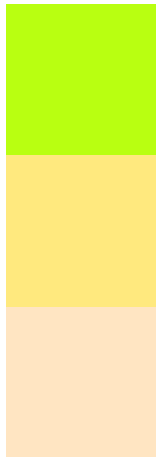
This preview shows how white text looks on a background with the YIQ color 206.9380, 34.6780, -88.8580.

-88.8580.

# 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

206.9380, 34.6780, -88.8580

### Protanopia

227.3800, 47.4590, -28.6130

### Deuteranopia

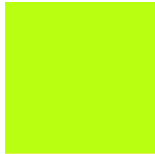
232.7840, 26.7310, -5.3730



## Tritanopia

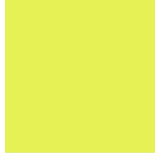
230.9790, -21.8700, -0.1260

# Trichromacy



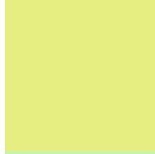
## Original Color

206.9380, 34.6780, -88.8580



## Protanomaly

220.0410, 43.1990, -50.5370



## Deuteranomaly

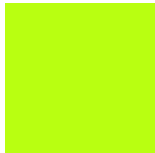
223.2960, 29.9000, -35.2840



## Tritanomaly

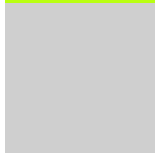
222.4790, -1.2320, -32.7520

# Monochromacy



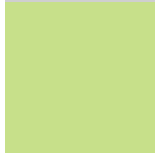
## Original Color

206.9380, 34.6780, -88.8580



## Achromatopsia

207.0000, 0.0000, -0.0000



## Achromatomaly

206.7210, 12.7060, -32.0460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 206.9380, 34.6780, -88.8580 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(185, 255, 17)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 17)  
}
```

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(185, 255, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 17) }
```

## Border

The CSS property to change the border of an element to YIQ 206.9380, 34.6780, -88.8580 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(185, 255, 17) }
```



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

```
.border{ border-color:rgb(185, 255, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 17);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
17) }
```

# Background

The CSS property to change the background color of an element to YIQ 206.9380, 34.6780, -88.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 17) }
```

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

```
.background{ background-color: rgb(185,  
255, 17) }
```

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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