

Converting Colors

YIQ(212.4340, 45.0850,
-84.7310)

Have a look what the booklet for
YIQ(212.4340, 45.0850, -84.7310)
contains.

YIQ(212.4340, 45.0850, -84.7310)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(212.4340, 45.0850,
-84.7310)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFF12
RGB	203, 255, 18
RGB Percent	80%, 100%, 7%
CMY	0.2042, 0.0000, 0.9289
CMYK	0.20, 0.00, 0.93, 0.00
HSL	73°, 100%, 54%
HSV	73°, 93%, 100%
XYZ	60.4797, 84.2508, 13.6507
YIQ	212.4340, 45.0850, -84.7310

Conversions

Conversions Part 2

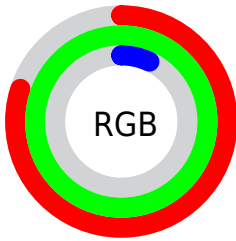
Format	Color
RYB	18, 255, 70
Decimal	13369106
CIELab	93.56, -42.18, 88.80
CIELCh	94, 98.306, 115.409
Yxy	84.2508, 0.3819, 0.5319
Android (android.graphics.Color)	4291559186 (0xFFCBBFF12)
YUV	212.4340, -95.8560, -8.2736
Hunter-Lab	91.7882, -43.0149, 55.4342

Details

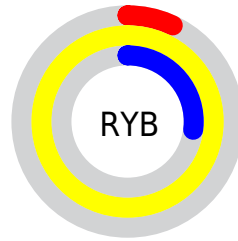
The YIQ color **212.4340, 45.0850, -84.7310** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **60.5660, -45.0850, 84.7310**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **237.2160, 50.0760, -48.5160**, and **158.9830, 30.7780, -73.2380** is the 20% darker color. If you saturate the color by 10%, you get **209.1860, 48.4790, -91.1770**, and if you desaturate by 10%, it is **217.1920, 40.3150, -75.3730**.

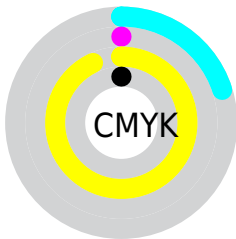
Distribution



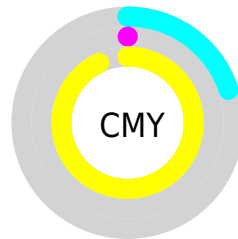
- Red (80%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (27%)



- Cyan (20%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 212.4340, 45.0850, -84.7310 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 212.4340, 45.0850, -84.7310 by changing the saturation by 10% instead.


 212.4340, 45.0850,
-84.7310

 212.4340, 45.0850,
-84.7310


255.0000, -0.0000,
-0.0000


 184.3890, 40.9580,
-81.5220


 237.2160, 50.0760,
-48.5160

 158.9830, 30.7780,
-73.2380


 240.7500, 40.1250,
-38.8750


 134.1640, 20.3230,
-65.4770


 244.1700, 30.4950,
-29.5450

 109.6440, 10.4640,
-57.5040

 247.5900, 20.8650,
-20.2150

 85.1130, -0.8620,
-50.4780

 251.0100, 11.2350,
-10.8850

 58.7770, -17.2310,
-45.6710

 254.4300, 1.6050,

 40.5030, -18.9750,

-1.5550

-36.0870

■ 27.0020, -12.6500,
-24.0580

■ 12.3270, -5.7750,
-10.9830

■ 212.4340, 45.0850,
-84.7310

■ 212.4340, 45.0850,
-84.7310

■ 209.1860, 48.4790,
-91.1770

■ 217.1920, 40.3150,
-75.3730

■ 221.5370, 35.2700,
-66.5380

■ 226.2950, 30.5000,
-57.1800

■ 230.6400, 25.4550,
-48.3450

■ 235.3980, 20.6850,
-38.9870

■ 240.0420, 16.2360,
-29.9400

■ 244.5010, 10.8700,
-20.7940

■ 249.1450, 6.4210,
-11.7470

■ 253.6040, 1.0550,
-2.6010

Harmonies

Analogous

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



209.4940, 89.5550, -64.6610



212.4340, 45.0850, -84.7310



175.4390, -85.1260, -87.2540

Triad

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



212.4340, 45.0850, -84.7310



178.7550, -151.9800, -54.0600



186.9080, 31.9000, 60.6680

Complementary

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



212.4340, 45.0850, -84.7310



60.5660, -45.0850, 84.7310

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.



206.8660, 22.5500, 42.8860



212.4340, 45.0850, -84.7310



176.9940, -151.1550, -52.4910

Square

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



212.4340, 45.0850, -84.7310



178.7550, -151.9800, -54.0600



218.0320, -20.2210, 8.5390



181.4750, 59.5990, 26.7270

Rectangle

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



212.4340, 45.0850, -84.7310



170.7750, -129.5100, -75.8300



218.0320, -20.2210, 8.5390



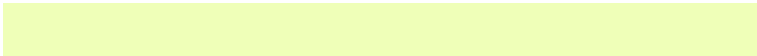
191.6040, 29.7000, 56.4840

Sweetspot

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



212.4340, 45.0850, -84.7310



242.1220, 13.2550, -25.4730



118.8000, 127.2270, 23.5710



119.9940, 8.1640, -15.8040



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.



212.4340, 45.0850, -84.7310



209.1860, 48.4790, -91.1770



177.1520, -25.2430, -109.7470



125.6210, 2.3850, -4.6790



156.6680, 36.2790, -68.3050



52.5180, 12.2000, -22.8720

Inverse Universe

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



60.5660, -45.0850, 84.7310



45.8140, -48.4790, 91.1770



95.8480, 25.2430, 109.7470



117.3790, -2.3850, 4.6790



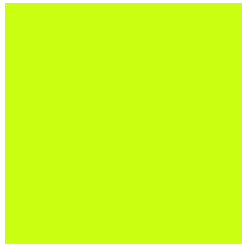
34.3320, -36.2790, 68.3050



11.4820, -12.2000, 22.8720

Previews

White Background



This preview shows how the YIQ color 212.4340, 45.0850, -84.7310 looks on a white background.

Color Contrast Check

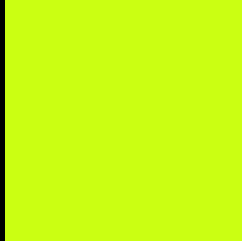
Large Text (above 18pt) WCAG AA × Fail

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 212.4340, 45.0850, -84.7310 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 212.4340, 45.0850, -84.7310

Background



This preview shows how black text looks on a background with the YIQ color 212.4340, 45.0850, -84.7310.



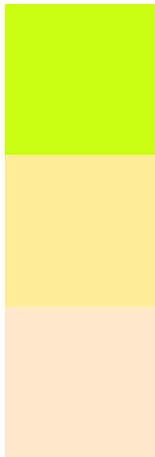
This preview shows how white text looks on a background with the YIQ color 212.4340, 45.0850, -84.7310.

-84.7310.

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

212.4340, 45.0850, -84.7310

Protanopia

232.1050, 38.2880, -22.0960

Deuteranopia

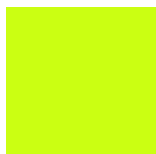
235.5710, 23.0170, -4.1430



Tritanopia

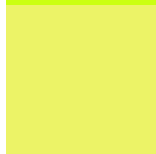
235.4640, -12.9300, 3.0540

Trichromacy



Original Color

212.4340, 45.0850, -84.7310



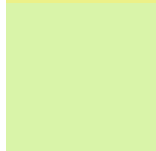
Protanomaly

224.9470, 40.7680, -45.0240



Deuteranomaly

226.9480, 31.0000, -33.1920



Tritanomaly

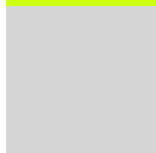
227.3770, 7.9830, -29.0490

Monochromacy



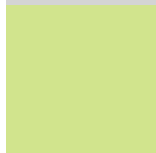
Original Color

212.4340, 45.0850, -84.7310



Achromatopsia

212.0000, -0.0000, -0.0000



Achromatomaly

212.4010, 16.6030, -31.0850

CSS Examples

Text

The CSS property to change the color of the text to YIQ 212.4340, 45.0850, -84.7310 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, 255, 18)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 18)  
}
```

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, 255, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 18) }
```

Border

The CSS property to change the border of an element to YIQ 212.4340, 45.0850, -84.7310 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, 255, 18) }
```


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

```
.border{ border-color:rgb(203, 255, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 18);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
18) }
```

Background

The CSS property to change the background color of an element to YIQ 212.4340, 45.0850, -84.7310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 18) }
```

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

```
.background{ background-color: rgb(203,  
255, 18) }
```

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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