

# Converting Colors

YUV(214.6710, -88.5778,  
-9.3585)

Have a look what the booklet for  
YUV(214.6710, -88.5778, -9.3585)  
contains.

<b>YUV(214.6710, -88.5778, -9.3585)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(214.6710, -88.5778,  
-9.3585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFF23
RGB	204, 255, 35
RGB Percent	80%, 100%, 14%
CMY	0.2000, 0.0000, 0.8627
CMYK	0.20, 0.00, 0.86, 0.00
HSL	74°, 100%, 57%
HSV	74°, 86%, 100%
XYZ	60.9652, 84.4787, 14.6829
YIQ	214.6710, 40.2240, -79.2320

# Conversions

## Conversions Part 2

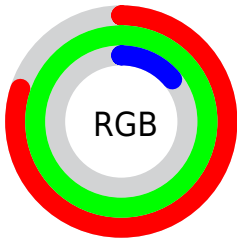
<b>Format</b>	<b>Color</b>
<b>RYB</b>	<b>35, 255, 86</b>
Decimal	13434659
CIELab	93.66, -41.46, 86.50
CIELCh	94, 95.926, 115.606
Yxy	84.4787, 0.3807, 0.5276
Android (android.graphics.Color)	4291624739 (0xFFCCFF23)
<b>YUV</b>	<b>214.6710, -88.5778, -9.3585</b>
Hunter-Lab	91.9123, -42.4479, 54.8671

# Details

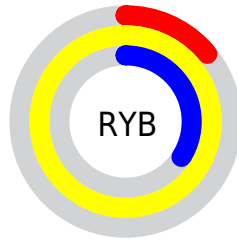
The YUV color  $214.6710, -88.5778, -9.3585$  is a light color, and the websafe version is hex  $CCFF33$ . The color can be described as light washed yellow. A complement of this color would be  $75.3290, 88.5778, 9.3585$ , and the grayscale version is  $215.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $238.0140, -65.0829, 14.8967$ , and  $159.2820, -78.5260, -13.4023$  is the 20% darker color. If you saturate the color by 10%, you get  $209.9130, -99.0501, -10.4477$ , and if you desaturate by 10%, it is  $219.3150, -78.5423, -8.1693$ .

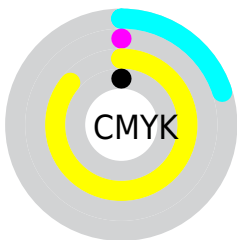
# Distribution



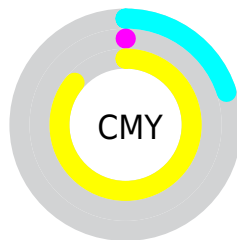
- Red (80%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (34%)



- Cyan (20%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 214.6710, -88.5778, -9.3585 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 YUV color 214.6710, -88.5778, -9.3585 by changing the saturation by 10% instead.



■ 214.6710,  
-88.5778, -9.3585

■ 214.6710,  
-88.5778, -9.3585

255.0000, 0.0000,  
0.0000

■ 184.6880,  
-91.0512, -9.3734

■ 238.0140,  
-65.0829, 14.8967

■ 159.2820,  
-78.5260, -13.4023

■ 241.4340,  
-51.9790, 11.8974

■ 134.7620,  
-66.4377, -17.3313

■ 244.8540,  
-38.8750, 8.8980

■ 110.2420,  
-54.3493, -21.2602

■ 248.2740,  
-25.7711, 5.8987

■ 85.7110, -42.2555,  
-26.9335

■ 251.6940,  
-12.6671, 2.8994

■ 59.9730, -29.5667,  
-36.8103

■ 40.5030, -19.9680,

-35.5211

■ 27.0020, -13.3120,  
-23.6808

■ 12.3270, -6.0772,  
-10.8108

■ 214.6710,  
-88.5778, -9.3585

■ 214.6710,  
-88.5778, -9.3585

■ 209.9130,  
-99.0501, -10.4477

■ 219.3150,  
-78.5423, -8.1693

■ 208.2890,  
-102.6865, -10.7775

■ 224.0730,  
-68.0700, -7.0800

■ 228.7170,  
-58.0345, -5.8908

■ 233.4750,  
-47.5622, -4.8016

■ 238.2330,  
-37.0899, -3.7123

■ 242.5780,  
-26.9070, -3.1379

■ 247.2220,  
-16.8714, -1.9487

■ 251.9800, -6.3991,  
-0.8595

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



210.0810, -103.5699, 39.3940



214.6710, -88.5778, -9.3585



180.0810, -27.1549, -110.5730

# Triad

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



214.6710, -88.5778, -9.3585



178.7550, 37.5888, -156.7681



189.1420, 31.9750, 57.7575

# Complementary

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



214.6710, -88.5778, -9.3585



75.3290, 88.5778, 9.3585

# 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.



208.0400, 23.1513, 41.1839



214.6710, -88.5778, -9.3585



176.9940, 38.4570, -155.2237

# Square

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



214.6710, -88.5778, -9.3585



178.7550, 37.5888, -156.7681



219.2280, 17.6356, -9.8470



184.0510, -10.3781, 62.2223



# Rectangle

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



214.6710, -88.5778, -9.3585



171.0030, 7.8865, -149.9696



219.2280, 17.6356, -9.8470



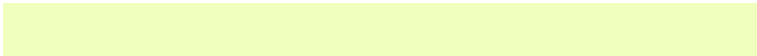
193.3650, 30.3861, 54.0539

# Sweetspot

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



214.6710, -88.5778, -9.3585



242.9910, -26.6176, -2.6231



128.9560, -46.3203, 110.5406



120.4500, -15.9978, -2.1486



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.



214.6710, -88.5778, -9.3585



208.2890, -102.6865, -10.7775



182.6780, -72.8053, -75.1396



125.6210, -5.2362, -0.5446



156.0700, -76.9425, -7.9544



52.2190, -25.7440, -2.8231



# Inverse Universe

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



75.3290, 88.5778, 9.3585



46.7110, 102.6865, 10.7775



107.3220, 72.8053, 75.1396



117.3790, 5.2362, 0.5446



34.9300, 76.9425, 7.9544

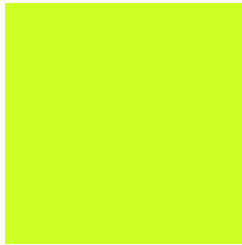


11.7810, 25.7440, 2.8231



# Previews

## White Background



This preview shows how the YUV color 214.6710, -88.5778, -9.3585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

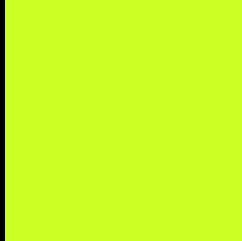
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 214.6710, -88.5778, -9.3585 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](#).

# YUV 214.6710, -88.5778, -9.3585 Background



This preview shows how black text looks on a background with the YUV color 214.6710, -88.5778, -9.3585.



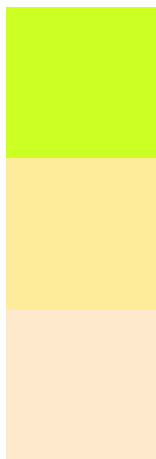
This preview shows how white text looks on a background with the YUV color 214.6710, -88.5778, -9.3585.

-9.3585.

# 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

214.6710, -88.5778, -9.3585

### Protanopia

232.3330, -38.6182, 19.8790

### Deuteranopia

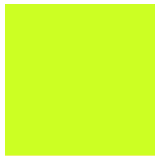
236.2720, -15.9101, 16.4245



## Tritanopia

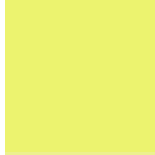
235.7630, 9.4838, -8.5622

# Trichromacy



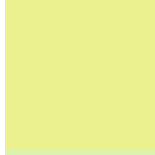
## Original Color

214.6710, -88.5778, -9.3585



## Protanomaly

225.8590, -56.6255, 8.8937



## Deuteranomaly

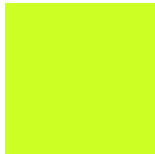
228.3330, -42.0692, 6.7240



## Tritanomaly

228.3600, -26.3065, -9.0857

# Monochromacy



## Original Color

214.6710, -88.5778, -9.3585



## Achromatopsia

215.0000, 0.0000, 0.0000



## Achromatomaly

215.1990, -32.1431, -3.6825

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 214.6710, -88.5778, -9.3585 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(204, 255, 35)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 35)  
}
```

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(204, 255, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 35) }
```

## Border

The CSS property to change the border of an element to YUV 214.6710, -88.5778, -9.3585 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(204, 255, 35) }
```



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

```
.border{ border-color:rgb(204, 255, 35) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 35);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
35) }
```

# Background

The CSS property to change the background color of an element to YUV 214.6710, -88.5778, -9.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 35) }
```

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

```
.background{ background-color: rgb(204,  
255, 35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor