

# Converting Colors

$Yxy(83.0366, 0.3784, 0.5349)$

Have a look what the booklet for  
Yxy(83.0366, 0.3784, 0.5349)  
contains.

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# Color

**Yxy(82.7944, 0.3784, 0.5349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FE11
RGB	197, 254, 17
RGB Percent	77%, 100%, 7%
CMY	0.2274, 0.0039, 0.9336
CMYK	0.22, 0.00, 0.93, 0.00
HSL	74°, 99%, 53%
HSV	74°, 93%, 100%
XYZ	58.5706, 82.7944, 13.4198
YIQ	209.9390, 42.1050, -85.7910

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">17, 254, 74</a>
Decimal	<a href="#">12975633</a>
CIELab	<a href="#">92.92, -44.02, 88.27</a>
CIELCh	<a href="#">93, 98.636, 116.504</a>
Yxy	<a href="#">82.7944, 0.3784, 0.5349</a>
Android (android.graphics.Color)	<a href="#">4291165713 (0xFFC5FE11)</a>
YUV	<a href="#">209.9390, -95.1189, -11.3475</a>
Hunter-Lab	<a href="#">90.9914, -44.3357, 54.9496</a>

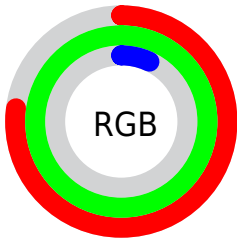
# Details

The Yxy color **82.7944, 0.3784, 0.5349** is a light color, and the websafe version is hex **CCFF00**.

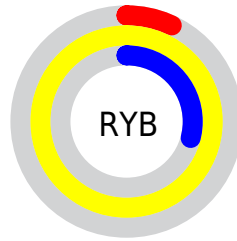
The color can be described as light washed yellow. A complement of this color would be **9.0068, 0.1682, 0.0724**, and the grayscale version is **65.0203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **45.2509, 0.3663, 0.5474** is the 20% darker color. If you saturate the color by 10%, you get **82.2161, 0.3766, 0.5392**, and if you desaturate by 10%, it is **83.7685, 0.3795, 0.5252**.

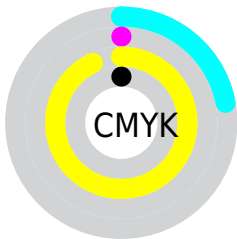
# Distribution



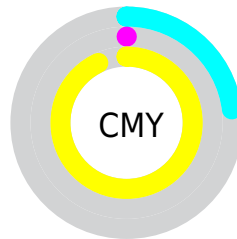
- Red (77%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (29%)



- Cyan (22%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7944, 0.3784, 0.5349 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 Yxy color 82.7944, 0.3784, 0.5349 by changing the saturation by 10% instead.




 82.7944, 0.3784,  
0.5349

 82.7944, 0.3784,  
0.5349


504.3011, 0.3595,  
0.4430

 62.0206, 0.3792,  
0.5532


 137.2875, 0.3746,  
0.5049

 45.0493, 0.3783,  
0.5739


 171.7755, 0.3723,  
0.4926


 31.4963, 0.3746,  
0.5972


 211.6037, 0.3700,  
0.4818

 20.9770, 0.3678,  
0.6260

 257.1564, 0.3677,  
0.4722

 13.1072, 0.3494,  
0.6506

 308.8181, 0.3655,  
0.4636

 7.5024, 0.3201,  
0.6799


 366.9732, 0.3634,


 3.7782, 0.2761,

0.4560

0.7239


432.0061, 0.3614,  
0.4492

 1.5503, 0.1555,  
0.8445


 0.3237, 0.0000,  
1.0000


 82.7944, 0.3784,  
0.5349

 82.7944, 0.3784,  
0.5349

 82.2161, 0.3766,  
0.5392

 83.7685, 0.3795,  
0.5252

 84.8879, 0.3780,  
0.5107

 86.1755, 0.3739,  
0.4916

 87.6471, 0.3675,  
0.4688

■ 89.3164, 0.3591,  
0.4434

■ 91.1956, 0.3492,  
0.4166

■ 93.2958, 0.3385,  
0.3894

■ 95.6273, 0.3274,  
0.3627

■ 98.1997, 0.3164,  
0.3372

# Harmonies

## Analogous

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



82.7944, 0.4692, 0.4751



82.7944, 0.3784, 0.5349



82.7944, 0.2773, 0.5199

# Triad

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



82.7944, 0.3784, 0.5349



82.7944, 0.1342, 0.2043



82.7944, 0.4337, 0.2578

# Complementary

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



82.7944, 0.3784, 0.5349



9.0068, 0.1682, 0.0724

# 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.



82.7944, 0.3162, 0.2049



82.7944, 0.3784, 0.5349



82.7944, 0.1585, 0.1733

# Square

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



82.7944, 0.3784, 0.5349



82.7944, 0.1431, 0.2812



82.7944, 0.2181, 0.1754



82.7944, 0.5170, 0.3244



# Rectangle

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



82.7944, 0.3784, 0.5349



82.7944, 0.2163, 0.4516



82.7944, 0.2181, 0.1754



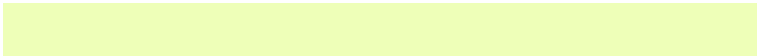
82.7944, 0.3952, 0.2381

# Sweetspot

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



82.7981, 0.3784, 0.5349



93.1127, 0.3436, 0.4021



25.7776, 0.5990, 0.3565



19.7381, 0.3482, 0.4138



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7981, 0.3784, 0.5349



82.9497, 0.3766, 0.5392



72.6380, 0.3134, 0.5858



20.8578, 0.3232, 0.3527



43.4155, 0.3773, 0.5386



4.2774, 0.3823, 0.5347



# Inverse Universe

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



9.0068, 0.1682, 0.0724



8.2216, 0.1621, 0.0666



18.6025, 0.2576, 0.1213



17.5885, 0.3016, 0.3047



4.3529, 0.1634, 0.0674

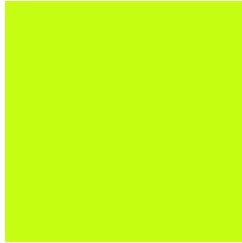


0.4716, 0.1741, 0.0733



# Previews

## White Background



This preview shows how the Yxy color 82.7944, 0.3784, 0.5349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

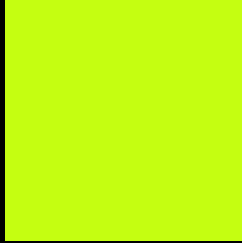
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7944, 0.3784, 0.5349 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](#).

**Yxy 82.7944, 0.3784, 0.5349**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7944, 0.3784, 0.5349.



This preview shows how white text looks on a background with the Yxy color 82.7944, 0.3784, 0.5349.

# 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

82.7944, 0.3784, 0.5349

### Protanopia

81.9118, 0.3903, 0.4253

### Deuteranopia

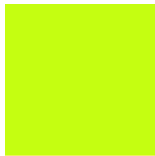
81.9308, 0.3517, 0.3614



## Tritanopia

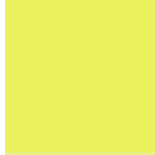
82.2710, 0.2905, 0.3094

# Trichromacy



## Original Color

82.7944, 0.3784, 0.5349



## Protanomaly

81.1933, 0.3939, 0.4747



## Deuteranomaly

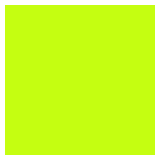
80.8914, 0.3755, 0.4404



## Tritanomaly

80.7772, 0.3368, 0.4123

# Monochromacy



## Original Color

82.7944, 0.3784, 0.5349



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

69.2653, 0.3535, 0.4288

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.7944, 0.3784, 0.5349 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(197, 254, 17)` looks like.

```
.text, #text, p{  
    color:rgb(197, 254, 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(197, 254, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 254, 17) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7944, 0.3784, 0.5349 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(197, 254, 17) }
```

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

```
.border{ border-color:rgb(197, 254, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 254, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 254, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 254, 17);  
box-shadow:4px 4px 4px 4px rgb(197, 254,  
17) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7944, 0.3784, 0.5349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 254, 17) }
```

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

```
.background{ background-color: rgb(197,  
254, 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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