

# Converting Colors

$Y_{xy}(79.0092, 0.3859, 0.5263)$

Have a look what the booklet for  
Yxy(79.0092, 0.3859, 0.5263)  
contains.

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**Color**

**Yxy(79.2926, 0.3857, 0.5265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF71A
RGB	203, 247, 26
RGB Percent	80%, 97%, 10%
CMY	0.2037, 0.0314, 0.8978
CMYK	0.18, 0.00, 0.89, 0.03
HSL	72°, 93%, 54%
HSV	72°, 89%, 97%
XYZ	58.0877, 79.2926, 13.2230
YIQ	208.6500, 44.7170, -78.0590

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	26, 247, 70
Decimal	13367066
CIE Lab	91.37, -38.47, 86.07
CIE LCh	91, 94.281, 114.085
Yxy	79.2926, 0.3857, 0.5265
Android (android.graphics.Color)	4291557146 (0xFFC <sub>B</sub> F71A)
YUV	208.6500, -90.0465, -4.9551
Hunter-Lab	89.0464, -39.3902, 53.5282

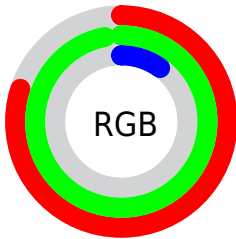
# Details

The Yxy color **79.2926, 0.3857, 0.5265** 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 **8.7580, 0.1681, 0.0748**, and the grayscale version is **64.1092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **43.1909, 0.3763, 0.5394** is the 20% darker color. If you saturate the color by 10%, you get **78.5453, 0.3841, 0.5330**, and if you desaturate by 10%, it is **80.1591, 0.3851, 0.5157**.

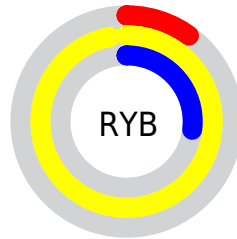
# Distribution



Red (80%)

Green (97%)

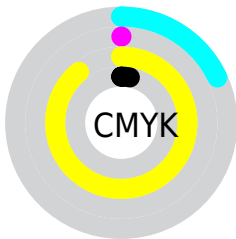
Blue (10%)



Red (10%)

Yellow (97%)

Blue (27%)

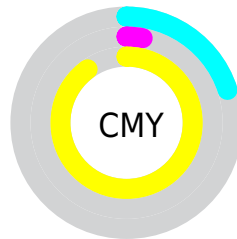


Cyan (18%)

Magenta (0%)

Yellow (89%)

Black (3%)



Cyan (20%)

Magenta (3%)


Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2926, 0.3857, 0.5265 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 79.2926, 0.3857, 0.5265 by changing the saturation by 10% instead.




 79.2926, 0.3857,  
0.5265


 79.2926, 0.3857,  
0.5265

492.5456, 0.3626,  
0.4384

 59.1364, 0.3875,  
0.5440


 132.3707, 0.3804,  
0.4977


 42.7229, 0.3878,  
0.5638


 166.0614, 0.3776,  
0.4859

 29.6678, 0.3856,  
0.5860


 205.0324, 0.3747,  
0.4756


 19.5866, 0.3808,  
0.6137

 249.6681, 0.3720,  
0.4664

 12.0949, 0.3640,  
0.6360

 300.3529, 0.3695,  
0.4582

 6.8083, 0.3369,  
0.6631


 357.4711, 0.3670,


 3.3425, 0.2953,


0.4509


0.7047


421.4072, 0.3648,  
0.4443


 1.3131, 0.1636,  
0.8364

 0.1513, 0.0000,  
1.0000


 79.2926, 0.3857,  
0.5265


 79.2926, 0.3857,  
0.5265


 78.5453, 0.3841,  
0.5330


 80.1591, 0.3851,  
0.5157


 78.5057, 0.3839,  
0.5333


 81.1594, 0.3818,  
0.5002


 82.3133, 0.3760,  
0.4805


 83.6348, 0.3680,  
0.4573

 85.1357, 0.3582,  
0.4319

 86.8269, 0.3472,  
0.4053

 88.7183, 0.3356,  
0.3786

 90.8191, 0.3237,  
0.3525

 93.1379, 0.3121,  
0.3277

# Harmonies

## Analogous

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



79.2926, 0.4722, 0.4668



79.2926, 0.3857, 0.5265



79.2926, 0.2869, 0.5184

# Triad

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



79.2926, 0.3857, 0.5265



79.2926, 0.1375, 0.2120



79.2926, 0.4215, 0.2549

# Complementary

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



79.2926, 0.3857, 0.5265



8.7580, 0.1681, 0.0748

# 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.



79.2926, 0.3074, 0.2046



79.2926, 0.3857, 0.5265



79.2926, 0.1588, 0.1781

# Square

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



79.2926, 0.3857, 0.5265



79.2926, 0.1494, 0.2914



79.2926, 0.2145, 0.1776



79.2926, 0.5071, 0.3198



# Rectangle

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



79.2926, 0.3857, 0.5265



79.2926, 0.2259, 0.4571



79.2926, 0.2145, 0.1776



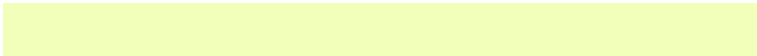
79.2926, 0.3837, 0.2360

# Sweetspot

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



79.2962, 0.3857, 0.5265



93.8266, 0.3444, 0.3989



23.8100, 0.5979, 0.3513



19.9408, 0.3483, 0.4081



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.



79.2962, 0.3857, 0.5265



84.3983, 0.3839, 0.5334



69.0796, 0.3199, 0.5774



19.1374, 0.3238, 0.3526



41.5830, 0.3845, 0.5329



3.6961, 0.3891, 0.5292



# Inverse Universe

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



8.7580, 0.1681, 0.0748



7.9163, 0.1585, 0.0647



16.8068, 0.2495, 0.1188



16.0853, 0.3010, 0.3047



3.9452, 0.1597, 0.0653

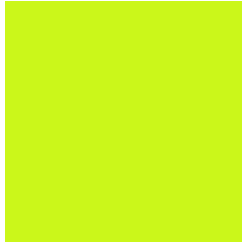


0.3879, 0.1707, 0.0714



# Previews

## White Background



This preview shows how the Yxy color 79.2926, 0.3857, 0.5265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

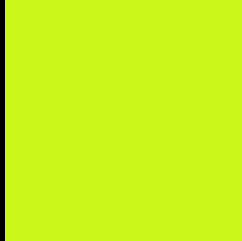
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.2926, 0.3857, 0.5265 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 79.2926, 0.3857, 0.5265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.2926, 0.3857, 0.5265.



This preview shows how white text looks on a background with the Yxy color 79.2926, 0.3857, 0.5265.

# 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

79.2926, 0.3857, 0.5265

### Protanopia

78.6982, 0.4146, 0.4554

### Deuteranopia

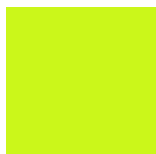
78.6132, 0.3619, 0.3699



## Tritanopia

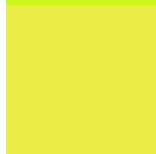
79.0589, 0.2970, 0.3103

# Trichromacy



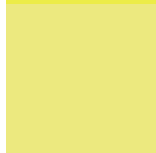
## Original Color

79.2926, 0.3857, 0.5265



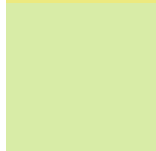
## Protanomaly

78.2787, 0.4067, 0.4844



## Deuteranomaly

77.6430, 0.3823, 0.4394



## Tritanomaly

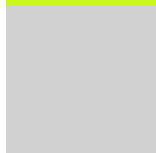
77.3799, 0.3423, 0.4057

# Monochromacy



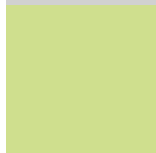
## Original Color

79.2926, 0.3857, 0.5265



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

67.9937, 0.3547, 0.4231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2926, 0.3857, 0.5265 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, 247, 26)` looks like.

```
.text, #text, p{  
    color:rgb(203, 247, 26)  
}
```

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, 247, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 247, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2926, 0.3857, 0.5265 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, 247, 26) }
```

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

```
.border{ border-color:rgb(203, 247, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 247, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 247, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 247, 26);  
box-shadow:4px 4px 4px 4px rgb(203, 247,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2926, 0.3857, 0.5265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 247, 26) }
```

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

```
.background{ background-color: rgb(203,  
247, 26) }
```

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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