

# Converting Colors

Yxy(83.4736, 0.3755, 0.5311)

Have a look what the booklet for  
Yxy(83.4736, 0.3755, 0.5311)  
contains.

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**Color**

**Yxy(83.5177, 0.3758, 0.5310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FF24
RGB	197, 255, 36
RGB Percent	77%, 100%, 14%
CMY	0.2273, 0.0000, 0.8595
CMYK	0.23, 0.00, 0.86, 0.00
HSL	76°, 100%, 57%
HSV	76°, 86%, 100%
XYZ	59.1073, 83.5177, 14.6589
YIQ	212.6920, 35.7310, -80.4050

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">36, 255, 94</a>
Decimal	<a href="#">12975908</a>
CIELab	<a href="#">93.24, -44.08, 85.84</a>
CIELCh	<a href="#">93, 96.500, 117.183</a>
Yxy	<a href="#">83.5177, 0.3758, 0.5310</a>
Android (android.graphics.Color)	<a href="#">4291165988 (0xFFC5FF24)</a>
YUV	<a href="#">212.6920, -87.1092, -13.7619</a>
Hunter-Lab	<a href="#">91.3880, -44.4801, 54.4614</a>

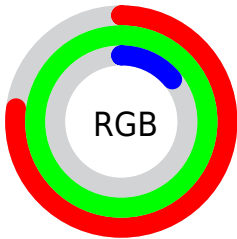
# Details

The Yxy color **83.5177, 0.3758, 0.5310** is a light color, and the websafe version is hex **CCFF33**.

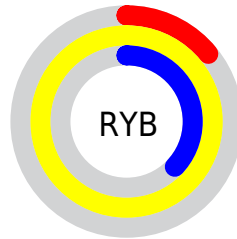
The color can be described as light washed yellow. A complement of this color would be **10.8398, 0.1796, 0.0837**, and the grayscale version is **66.8897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8206, 0.3961, 0.4668**, and **45.7065, 0.3657, 0.5478** is the 20% darker color. If you saturate the color by 10%, you get **82.5260, 0.3737, 0.5399**, and if you desaturate by 10%, it is **84.6654, 0.3754, 0.5173**.

# Distribution



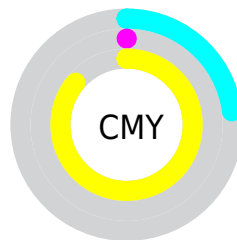
- Red (77%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (37%)



- Cyan (23%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5177, 0.3758, 0.5310 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 83.5177, 0.3758, 0.5310 by changing the saturation by 10% instead.




 83.5177, 0.3758,  
0.5310


 83.5177, 0.3758,  
0.5310


506.7103, 0.3573,  
0.4403

 62.6173, 0.3767,  
0.5493


 138.3003, 0.3720,  
0.5012


 45.5317, 0.3762,  
0.5702


 172.9513, 0.3697,  
0.4891


 31.8764, 0.3729,  
0.5939


 212.9547, 0.3675,  
0.4784

 21.2671, 0.3659,  
0.6219


 258.6948, 0.3652,  
0.4690

 13.3194, 0.3499,  
0.6501

 310.5560, 0.3631,  
0.4606

 7.6489, 0.3210,  
0.6790

368.9227, 0.3611,


 3.8711, 0.2775,


0.4531


0.7225


434.1793, 0.3591,  
0.4464


 1.6017, 0.1652,  
0.8348


 0.3588, 0.0000,  
1.0000

 83.5177, 0.3758,  
0.5310


 83.5177, 0.3758,  
0.5310


 82.5260, 0.3737,  
0.5399

 84.6654, 0.3754,  
0.5173

 82.1545, 0.3724,  
0.5425

 85.9827, 0.3724,  
0.4988

 87.4887, 0.3670,  
0.4764

 89.1980, 0.3595,  
0.4511

91.1233, 0.3504,  
0.4242

93.2763, 0.3403,  
0.3967

95.6675, 0.3297,  
0.3697

98.3071, 0.3190,  
0.3437

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



83.5177, 0.4650, 0.4748



83.5177, 0.3758, 0.5310



83.5177, 0.2765, 0.5130

# Triad

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



83.5177, 0.3758, 0.5310



83.5177, 0.1375, 0.2060



83.5177, 0.4333, 0.2608

# Complementary

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



83.5177, 0.3758, 0.5310



10.8398, 0.1796, 0.0837

# 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.



83.5177, 0.3188, 0.2082



83.5177, 0.3758, 0.5310



83.5177, 0.1622, 0.1759

# Square

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



83.5177, 0.3758, 0.5310



83.5177, 0.1457, 0.2804



83.5177, 0.2219, 0.1785



83.5177, 0.5133, 0.3268



# Rectangle

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



83.5177, 0.3758, 0.5310



83.5177, 0.2169, 0.4454



83.5177, 0.2219, 0.1785



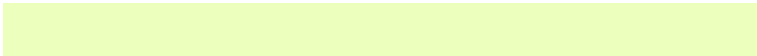
83.5177, 0.3960, 0.2412

# Sweetspot

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



83.5201, 0.3758, 0.5310



93.2655, 0.3404, 0.3968



28.8029, 0.5737, 0.3651



19.7974, 0.3439, 0.4064



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.



83.5201, 0.3758, 0.5310



82.1545, 0.3724, 0.5425



73.8509, 0.3153, 0.5770



20.8349, 0.3228, 0.3528



43.0040, 0.3732, 0.5419



4.2403, 0.3786, 0.5376



# Inverse Universe

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



10.8398, 0.1796, 0.0837



8.4292, 0.1645, 0.0680



20.7786, 0.2664, 0.1301



17.6100, 0.3020, 0.3047



4.4657, 0.1659, 0.0687

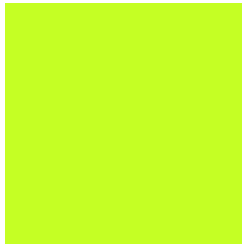


0.4852, 0.1770, 0.0749



# Previews

## White Background



This preview shows how the Yxy color 83.5177, 0.3758, 0.5310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

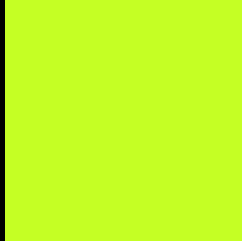
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5177, 0.3758, 0.5310 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 83.5177, 0.3758, 0.5310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5177, 0.3758, 0.5310.

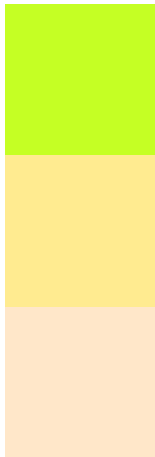


This preview shows how white text looks on a background with the Yxy color 83.5177, 0.3758, 0.5310.

# 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

83.5177, 0.3758, 0.5310

### Protanopia

82.6903, 0.3857, 0.4197

### Deuteranopia

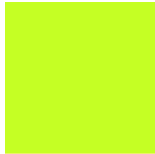
82.6289, 0.3494, 0.3593



## Tritanopia

83.0040, 0.2912, 0.3104

# Trichromacy



## Original Color

83.5177, 0.3758, 0.5310



## Protanomaly

82.0166, 0.3880, 0.4664



## Deuteranomaly

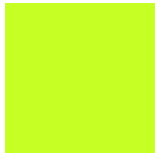
81.7357, 0.3700, 0.4326



## Tritanomaly

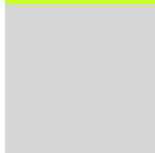
81.7936, 0.3331, 0.4053

# Monochromacy



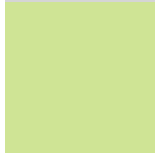
## Original Color

83.5177, 0.3758, 0.5310



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

70.9221, 0.3489, 0.4201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5177, 0.3758, 0.5310 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, 255, 36)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 36)  
}
```

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, 255, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5177, 0.3758, 0.5310 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, 255, 36) }
```

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

```
.border{ border-color:rgb(197, 255, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 36);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5177, 0.3758, 0.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 36) }
```

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

```
.background{ background-color: rgb(197,  
255, 36) }
```

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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