

# Converting Colors

$Yxy(80.3345, 0.3733, 0.5299)$

Have a look what the booklet for  
Yxy(80.3345, 0.3733, 0.5299)  
contains.

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**Color**

**Yxy(80.3680, 0.3734, 0.5296)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | C0FB2A                      |
| RGB         | 192, 251, 42                |
| RGB Percent | 75%, 98%, 16%               |
| CMY         | 0.2468, 0.0157, 0.8351      |
| CMYK        | 0.23, 0.00, 0.83, 0.02      |
| HSL         | 77°, 96%, 57%               |
| HSV         | 77°, 83%, 98%               |
| XYZ         | 56.6643, 80.3680, 14.7200   |
| YIQ         | 209.5330, 31.9250, -77.5070 |

# Conversions

## Conversions Part 2

| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">42, 251, 101</a>                 |
| Decimal                             | <a href="#">12647210</a>                     |
| CIELab                              | <a href="#">91.85, -44.05, 83.30</a>         |
| CIElCh                              | <a href="#">92, 94.232, 117.871</a>          |
| Yxy                                 | <a href="#">80.3680, 0.3734, 0.5296</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4290837290<br/>(0xFFC0FB2A)</a>  |
| YUV                                 | <a href="#">209.5330, -82.5938, -15.3764</a> |
| Hunter-Lab                          | <a href="#">89.6482, -44.0591, 53.0185</a>   |

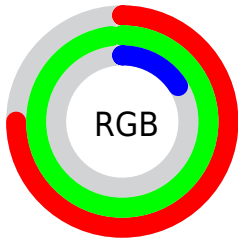
# Details

The Yxy color **80.3680, 0.3734, 0.5296** 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 **11.3900, 0.1856, 0.0895**, and the grayscale version is **64.6747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5068, 0.3934, 0.4655**, and **43.5701, 0.3647, 0.5486** is the 20% darker color. If you saturate the color by 10%, you get **79.3419, 0.3717, 0.5401**, and if you desaturate by 10%, it is **81.5580, 0.3726, 0.5142**.

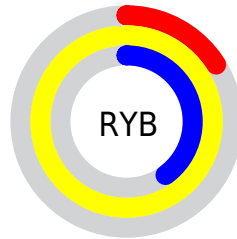
# Distribution



Red (75%)

Green (98%)

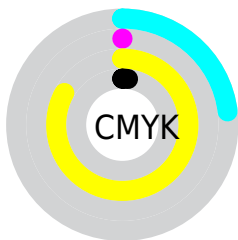
Blue (16%)



Red (16%)

Yellow (98%)

Blue (40%)

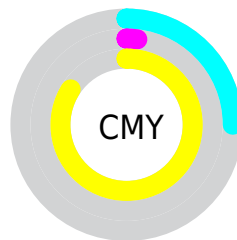


Cyan (23%)

Magenta (0%)

Yellow (83%)

Black (2%)



Cyan (25%)

Magenta (2%)


Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3680, 0.3734, 0.5296 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 80.3680, 0.3734, 0.5296 by changing the saturation by 10% instead.




 80.3680, 0.3734,  
0.5296


 80.3680, 0.3734,  
0.5296


496.1722, 0.3554,  
0.4385


 60.0212, 0.3743,  
0.5483


 133.8830, 0.3697,  
0.4994

 43.4357, 0.3737,  
0.5698


 167.8200, 0.3675,  
0.4872


 30.2272, 0.3703,  
0.5943


 207.0559, 0.3653,  
0.4764

 20.0111, 0.3632,  
0.6236

 251.9750, 0.3631,  
0.4670

 12.4031, 0.3466,  
0.6534

 302.9618, 0.3610,  
0.4586

 7.0188, 0.3161,  
0.6839

360.4007, 0.3591,

 3.4739, 0.2699,

0.4512

0.7301

424.6760, 0.3572,  
0.4445

■ 1.3838, 0.1103,  
0.8897

■ 0.2048, 0.0000,  
1.0000

■ 80.3680, 0.3734,  
0.5296

■ 80.3680, 0.3734,  
0.5296

■ 79.3419, 0.3717,  
0.5401


■ 81.5580, 0.3726,  
0.5142

■ 78.7170, 0.3694,  
0.5449


■ 82.9201, 0.3692,  
0.4942


■ 84.4732, 0.3635,  
0.4705

■ 86.2310, 0.3558,  
0.4444

 88.2056, 0.3467,  
0.4170

 90.4079, 0.3368,  
0.3894

 92.8481, 0.3264,  
0.3625

 95.5357, 0.3160,  
0.3370

 97.4704, 0.3129,  
0.3252

# Harmonies

## Analogous

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



80.3680, 0.4622, 0.4755



80.3680, 0.3734, 0.5296



80.3680, 0.2750, 0.5090

# Triad

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



80.3680, 0.3734, 0.5296



80.3680, 0.1391, 0.2060



80.3680, 0.4345, 0.2628

# Complementary

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



80.3680, 0.3734, 0.5296



11.3900, 0.1856, 0.0895

# 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.



80.3680, 0.3214, 0.2102



80.3680, 0.3734, 0.5296



80.3680, 0.1644, 0.1770

# Square

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



80.3680, 0.3734, 0.5296



80.3680, 0.1466, 0.2789



80.3680, 0.2246, 0.1801



80.3680, 0.5123, 0.3287



# Rectangle

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



80.3680, 0.3734, 0.5296



80.3680, 0.2162, 0.4412



80.3680, 0.2246, 0.1801



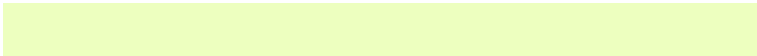
80.3680, 0.3978, 0.2433

# Sweetspot

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



80.3716, 0.3734, 0.5296



93.3002, 0.3386, 0.3943



29.3674, 0.5608, 0.3697



19.7956, 0.3421, 0.4040



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.



80.3716, 0.3734, 0.5296



81.5959, 0.3694, 0.5449



71.3721, 0.3150, 0.5733



19.9303, 0.3225, 0.3527



41.4564, 0.3702, 0.5442



3.8930, 0.3763, 0.5394



# Inverse Universe

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



11.3900, 0.1856, 0.0895



8.5950, 0.1664, 0.0690



21.2140, 0.2718, 0.1351



16.8800, 0.3023, 0.3048



4.4242, 0.1679, 0.0699

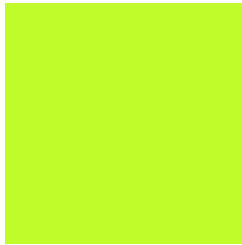


0.4607, 0.1800, 0.0765



# Previews

## White Background



This preview shows how the Yxy color 80.3680, 0.3734, 0.5296 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

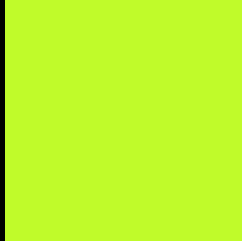
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.3680, 0.3734, 0.5296 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 80.3680, 0.3734, 0.5296**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.3680, 0.3734, 0.5296.

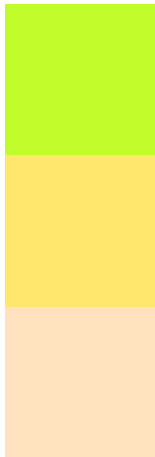


This preview shows how white text looks on a background with the Yxy color 80.3680, 0.3734, 0.5296.

# 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

80.3680, 0.3734, 0.5296

### Protanopia

79.5160, 0.4075, 0.4465

### Deuteranopia

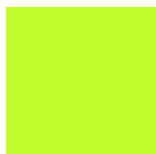
79.3268, 0.3588, 0.3667



## Tritanopia

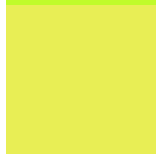
80.1701, 0.2890, 0.3101

# Trichromacy



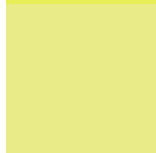
## Original Color

80.3680, 0.3734, 0.5296



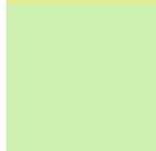
## Protanomaly

78.9608, 0.3973, 0.4790



## Deuteranomaly

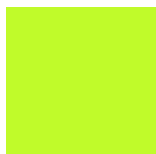
78.3500, 0.3733, 0.4337



## Tritanomaly

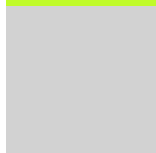
78.5766, 0.3290, 0.4012

# Monochromacy



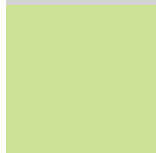
## Original Color

80.3680, 0.3734, 0.5296



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

68.7169, 0.3466, 0.4180

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.3680, 0.3734, 0.5296 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(192, 251, 42)` looks like.

```
.text, #text, p{  
    color:rgb(192, 251, 42)  
}
```

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(192, 251, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 251, 42) }
```

## Border

The CSS property to change the border of an element to Yxy 80.3680, 0.3734, 0.5296 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(192, 251, 42) }
```

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

```
.border{ border-color:rgb(192, 251, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 251, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 251, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 251, 42);  
box-shadow:4px 4px 4px 4px rgb(192, 251,  
42) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.3680, 0.3734, 0.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 251, 42) }
```

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

```
.background{ background-color: rgb(192,  
251, 42) }
```

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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