

# Converting Colors

Yxy(57.4905, 0.3989, 0.5215)

Have a look what the booklet for  
Yxy(57.4905, 0.3989, 0.5215)  
contains.

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# Color

**Yxy(57.6518, 0.3985, 0.5218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBD400
RGB	187, 212, 0
RGB Percent	73%, 83%, 0%
CMY	0.2668, 0.1686, 1.0000
CMYK	0.12, 0.00, 1.00, 0.17
HSL	67°, 100%, 42%
HSV	67°, 100%, 83%
XYZ	44.0288, 57.6518, 8.8058
YIQ	180.3570, 53.1520, -71.2320

# Conversions

## Conversions Part 2

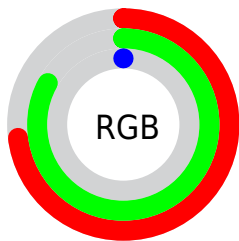
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 212, 25
Decimal	12309504
CIELab	80.54, -29.27, 79.97
CIELCh	81, 85.154, 110.102
Yxy	57.6518, 0.3985, 0.5218
Android (android.graphics.Color)	4290499584 (0xFFBBD400)
YUV	180.3570, -88.9160, 5.8259
Hunter-Lab	75.9288, -29.3686, 46.2740

# Details

The Yxy color **57.6518, 0.3985, 0.5218** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed chartreuse. A complement of this color would be **4.9618, 0.1539, 0.0621**, and the grayscale version is **46.3081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9660, 0.3983, 0.4832**, and **28.7811, 0.3885, 0.5297** is the 20% darker color. If you saturate the color by 10%, you get **57.6545, 0.3985, 0.5218**, and if you desaturate by 10%, it is **58.0282, 0.3985, 0.5164**.

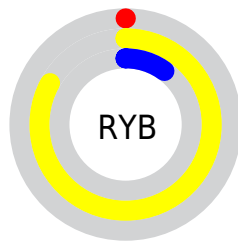
# Distribution



Red (73%)

Green (83%)

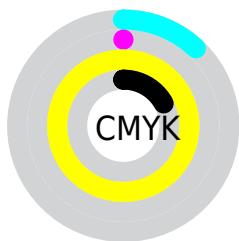
Blue (0%)



Red (0%)

Yellow (83%)

Blue (10%)

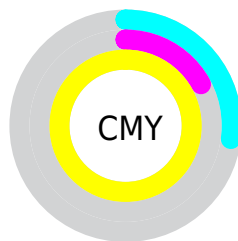


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (27%)

Magenta (17%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6518, 0.3985, 0.5218 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 57.6518, 0.3985, 0.5218 by changing the saturation by 10% instead.




 57.6518, 0.3985,  
0.5218

 57.6518, 0.3985,  
0.5218


415.8872, 0.3678,  
0.4325


 41.5288, 0.4015,  
0.5398


 101.4156, 0.3908,  
0.4923


 28.7325, 0.4028,  
0.5599


 129.8252, 0.3868,  
0.4802

 18.8786, 0.4013,  
0.5832


 163.0991, 0.3831,  
0.4697

 11.5826, 0.3930,  
0.6070

 201.6218, 0.3795,  
0.4604

 6.4601, 0.3720,  
0.6280

 245.7775, 0.3762,  
0.4522

 3.1268, 0.3391,  
0.6609

 295.9507, 0.3732,

 1.1983, 0.2480,

0.4449

0.7520

352.5258, 0.3704,  
0.4383

■ 0.0603, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6518, 0.3985,  
0.5218

■ 57.6518, 0.3985,  
0.5218

■ 57.6545, 0.3985,  
0.5218

■ 58.0282, 0.3985,  
0.5164

■ 58.4676, 0.3965,  
0.5072

■ 58.9931, 0.3918,  
0.4935

■ 59.6157, 0.3846,  
0.4756

■ 60.3448, 0.3751,  
0.4543

■ 61.1886, 0.3640,  
0.4304

■ 62.1544, 0.3517,  
0.4050

■ 63.2490, 0.3387,  
0.3791

■ 64.4787, 0.3256,  
0.3536

# Harmonies

## Analogous

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



57.6518, 0.4820, 0.4572



57.6518, 0.3985, 0.5218



57.6518, 0.2998, 0.5264

# Triad

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



57.6518, 0.3985, 0.5218



57.6518, 0.1366, 0.2192



57.6518, 0.4070, 0.2469

# Complementary

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



57.6518, 0.3985, 0.5218



4.9618, 0.1539, 0.0621

# 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.



57.6518, 0.2931, 0.1991



57.6518, 0.3985, 0.5218



57.6518, 0.1536, 0.1799

# Square

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



57.6518, 0.3985, 0.5218



57.6518, 0.1532, 0.3057



57.6518, 0.2045, 0.1755



57.6518, 0.5001, 0.3106



# Rectangle

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



57.6518, 0.3985, 0.5218



57.6518, 0.2368, 0.4730



57.6518, 0.2045, 0.1755



57.6518, 0.3684, 0.2286

# Sweetspot

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



57.6545, 0.3985, 0.5218



94.3396, 0.3521, 0.4058



14.6835, 0.6312, 0.3370



20.0544, 0.3574, 0.4168



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.



57.6545, 0.3985, 0.5218



87.5047, 0.3983, 0.5220



48.8567, 0.3217, 0.5828



14.4420, 0.3248, 0.3522



35.6155, 0.3988, 0.5216



2.1697, 0.4026, 0.5186



# Inverse Universe

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



4.9618, 0.1539, 0.0621



7.4982, 0.1534, 0.0619



9.5592, 0.2261, 0.1019



12.0783, 0.2999, 0.3050



3.0853, 0.1546, 0.0625



0.2101, 0.1661, 0.0689



# Previews

## White Background



This preview shows how the Yxy color 57.6518, 0.3985, 0.5218 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 57.6518, 0.3985, 0.5218 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 57.6518, 0.3985, 0.5218**

## Background



This preview shows how black text looks on a background with the Yxy color 57.6518, 0.3985, 0.5218.

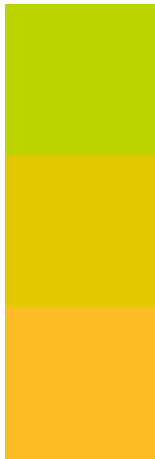


This preview shows how white text looks on a background with the Yxy color 57.6518, 0.3985, 0.5218.

# 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**

57.6518, 0.3985, 0.5218

**Protanopia**

57.3161, 0.4406, 0.4884

**Deuteranopia**

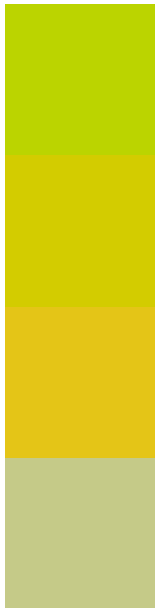
57.2180, 0.4674, 0.4559



## Tritanopia

57.4331, 0.3058, 0.3103

# Trichromacy



## Original Color

57.6518, 0.3985, 0.5218

## Protanomaly

57.0346, 0.4253, 0.5005

## Deuteranomaly

56.4883, 0.4433, 0.4805

## Tritanomaly

55.8889, 0.3573, 0.4110

# Monochromacy



## Original Color

57.6518, 0.3985, 0.5218

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

49.0044, 0.3639, 0.4300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.6518, 0.3985, 0.5218 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(187, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 212, 0)  
}
```

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(187, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 212, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 57.6518, 0.3985, 0.5218 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(187, 212, 0) }
```

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

```
.border{ border-color:rgb(187, 212, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 212,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.6518, 0.3985, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 212, 0) }
```

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

```
.background{ background-color: rgb(187,  
212, 0) }
```

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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