

Converting Colors

$Y_{xy}(57.5509, 0.3993, 0.5212)$

Have a look what the booklet for
Yxy(57.5509, 0.3993, 0.5212)
contains.

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Color

Yxy(57.7783, 0.3994, 0.5211)

Conversions

Conversions Part 1

Format	Color
Hex	BCD400
RGB	188, 212, 0
RGB Percent	74%, 83%, 0%
CMY	0.2627, 0.1686, 1.0000
CMYK	0.11, 0.00, 1.00, 0.17
HSL	67°, 100%, 42%
HSV	67°, 100%, 83%
XYZ	44.2845, 57.7783, 8.8148
YIQ	180.6560, 53.7480, -71.0200

Conversions

Conversions Part 2

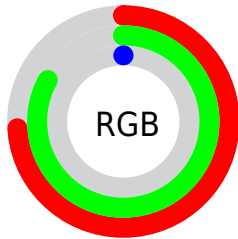
Format	Color
RYB	0, 212, 24
Decimal	12375040
CIELab	80.62, -28.82, 80.06
CIElCh	81, 85.090, 109.801
Yxy	57.7783, 0.3994, 0.5211
Android (android.graphics.Color)	4290565120 (0xFFBCD400)
YUV	180.6560, -89.0634, 6.4407
Hunter-Lab	76.0120, -29.0272, 46.3328

Details

The Yxy color **57.7783, 0.3994, 0.5211** 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 **4.9476, 0.1536, 0.0620**, and the grayscale version is **46.4841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1483, 0.3990, 0.4828**, and **28.8598, 0.3896, 0.5288** is the 20% darker color. If you saturate the color by 10%, you get **57.7812, 0.3994, 0.5211**, and if you desaturate by 10%, it is **58.1433, 0.3994, 0.5158**.

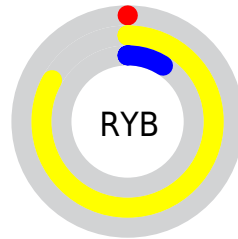
Distribution



Red (74%)

Green (83%)

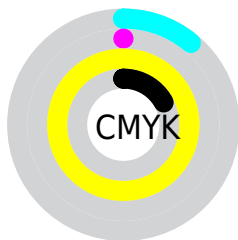
Blue (0%)



Red (0%)

Yellow (83%)

Blue (9%)

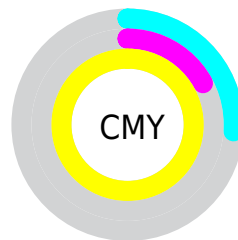


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (26%)

Magenta (17%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7783, 0.3994, 0.5211 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 57.7783, 0.3994, 0.5211 by changing the saturation by 10% instead.


 57.7783, 0.3994,
0.5211

 57.7783, 0.3994,
0.5211


416.3593, 0.3682,
0.4323


 41.6304, 0.4025,
0.5389


 101.5999, 0.3915,
0.4918


 28.8120, 0.4039,
0.5589


 130.0425, 0.3875,
0.4798


 18.9387, 0.4027,
0.5819

 163.3521, 0.3837,
0.4693

 11.6260, 0.3946,
0.6054

 201.9131, 0.3801,
0.4601

 6.4895, 0.3739,
0.6261

 246.1100, 0.3768,
0.4519

 3.1450, 0.3417,
0.6583

 296.3270, 0.3737,

 1.2079, 0.2550,

0.4446

0.7450

352.9487, 0.3709,
0.4381

■ 0.0681, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7783, 0.3994,
0.5211

■ 57.7783, 0.3994,
0.5211

■ 57.7812, 0.3994,
0.5211

■ 58.1433, 0.3994,
0.5158

■ 58.5708, 0.3972,
0.5067

■ 59.0838, 0.3924,
0.4931

■ 59.6935, 0.3851,
0.4753

■ 60.4092, 0.3756,
0.4541

■ 61.2390, 0.3643,
0.4303

■ 62.1905, 0.3519,
0.4050

■ 63.2702, 0.3389,
0.3791

■ 64.4845, 0.3257,
0.3536

Harmonies

Analogous

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



57.7783, 0.4826, 0.4564



57.7783, 0.3994, 0.5211



57.7783, 0.3008, 0.5265

Triad

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



57.7783, 0.3994, 0.5211



57.7783, 0.1368, 0.2199



57.7783, 0.4058, 0.2464

Complementary

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



57.7783, 0.3994, 0.5211



4.9476, 0.1536, 0.0620

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.



57.7783, 0.2920, 0.1989



57.7783, 0.3994, 0.5211



57.7783, 0.1534, 0.1803

Square

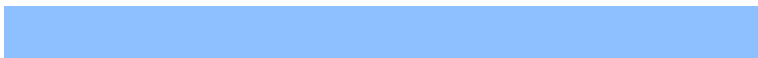
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.7783, 0.3994, 0.5211



57.7783, 0.1537, 0.3069



57.7783, 0.2040, 0.1756



57.7783, 0.4992, 0.3099

Rectangle

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



57.7783, 0.3994, 0.5211



57.7783, 0.2378, 0.4739



57.7783, 0.2040, 0.1756



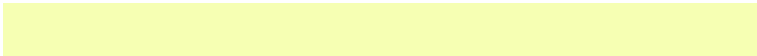
57.7783, 0.3672, 0.2282

Sweetspot

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



57.7812, 0.3994, 0.5211



94.4095, 0.3523, 0.4058



14.5411, 0.6330, 0.3356



20.0713, 0.3577, 0.4167



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.



57.7812, 0.3994, 0.5211



87.7123, 0.3992, 0.5213



49.0101, 0.3235, 0.5813



14.4453, 0.3249, 0.3522



35.6981, 0.3997, 0.5209



2.1739, 0.4033, 0.5180

Inverse Universe

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



4.9476, 0.1536, 0.0620



7.4791, 0.1532, 0.0618



9.2811, 0.2224, 0.0999



12.0753, 0.2999, 0.3050



3.0764, 0.1543, 0.0624



0.2087, 0.1655, 0.0685

Previews

White Background



This preview shows how the Yxy color 57.7783, 0.3994, 0.5211 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 57.7783, 0.3994, 0.5211 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 57.7783, 0.3994, 0.5211

Background



This preview shows how black text looks on a background with the Yxy color 57.7783, 0.3994, 0.5211.

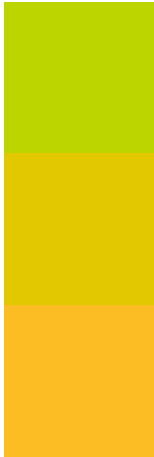


This preview shows how white text looks on a background with the Yxy color 57.7783, 0.3994, 0.5211.

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

57.7783, 0.3994, 0.5211

Protanopia

57.3161, 0.4406, 0.4884

Deuteranopia

57.2180, 0.4674, 0.4559



Tritanopia

57.5740, 0.3066, 0.3103

Trichromacy



Original Color

57.7783, 0.3994, 0.5211

Protanomaly

57.1828, 0.4261, 0.4999

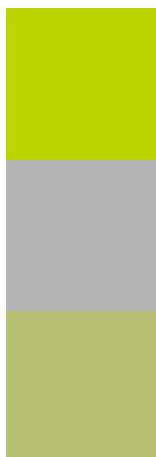
Deuteranomaly

56.6524, 0.4441, 0.4798

Tritanomaly

56.0244, 0.3581, 0.4107

Monochromacy



Original Color

57.7783, 0.3994, 0.5211

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

49.1274, 0.3648, 0.4297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7783, 0.3994, 0.5211 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(188, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.7783, 0.3994, 0.5211 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(188, 212, 0) }
```

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

```
.border{ border-color:rgb(188, 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(188, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 212,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7783, 0.3994, 0.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 212, 0) }
```

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

```
.background{ background-color: rgb(188,  
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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