

Converting Colors

$Y_{xy}(57.7208, 0.3958, 0.5239)$

Have a look what the booklet for
Yxy(57.7208, 0.3958, 0.5239)
contains.

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Color

Yxy(57.7788, 0.3953, 0.5243)

Conversions

Conversions Part 1

Format	Color
Hex	B8D500
RGB	184, 213, 0
RGB Percent	72%, 84%, 0%
CMY	0.2784, 0.1647, 0.9994
CMYK	0.14, 0.00, 1.00, 0.16
HSL	68°, 100%, 42%
HSV	68°, 100%, 84%
XYZ	43.5628, 57.7788, 8.8602
YIQ	180.0470, 51.0890, -72.3910

Conversions

Conversions Part 2

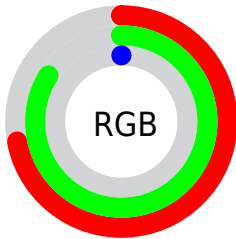
Format	Color
RYB	0, 213, 29
Decimal	12113152
CIELab	80.62, -30.94, 79.91
CIELCh	81, 85.692, 111.167
Yxy	57.7788, 0.3953, 0.5243
Android (android.graphics.Color)	4290303232 (0xFFB8D500)
YUV	180.0470, -88.7632, 3.4668
Hunter-Lab	76.0124, -30.7231, 46.2976

Details

The Yxy color **57.7788, 0.3953, 0.5243** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **5.0713, 0.1549, 0.0627**, and the grayscale version is **46.1456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4250, 0.3962, 0.4845**, and **28.8893, 0.3843, 0.5330** is the 20% darker color. If you saturate the color by 10%, you get **57.7784, 0.3953, 0.5243**, and if you desaturate by 10%, it is **58.1991, 0.3957, 0.5186**.

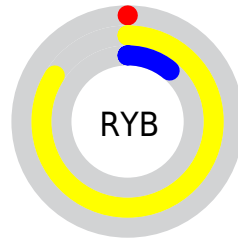
Distribution



Red (72%)

Green (84%)

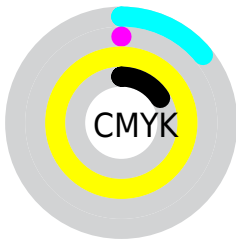
Blue (0%)



Red (0%)

Yellow (84%)

Blue (11%)

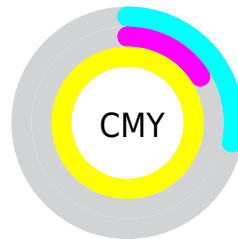


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (28%)


Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7788, 0.3953, 0.5243 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 57.7788, 0.3953, 0.5243 by changing the saturation by 10% instead.


 57.7788, 0.3953,
0.5243

 57.7788, 0.3953,
0.5243


416.3612, 0.3662,
0.4334


 41.6308, 0.3979,
0.5427


 101.6007, 0.3882,
0.4941

 28.8123, 0.3987,
0.5635


 130.0434, 0.3844,
0.4819


 18.9389, 0.3966,
0.5874


 163.3531, 0.3809,
0.4712

 11.6261, 0.3876,
0.6124

 201.9143, 0.3775,
0.4617

 6.4897, 0.3653,
0.6347

 246.1113, 0.3743,
0.4534

 3.1450, 0.3306,
0.6694

 296.3285, 0.3714,

 1.2079, 0.2304,

0.4460

0.7696

352.9503, 0.3687,
0.4393

■ 0.0682, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7788, 0.3953,
0.5243

■ 57.7788, 0.3953,
0.5243

■ 57.7784, 0.3953,
0.5243

■ 58.1991, 0.3957,
0.5186

■ 58.6854, 0.3939,
0.5090

■ 59.2605, 0.3895,
0.4949

■ 59.9357, 0.3826,
0.4766

■ 60.7205, 0.3735,
0.4549

■ 61.6231, 0.3627,
0.4307

■ 62.6510, 0.3506,
0.4051

■ 63.8111, 0.3380,
0.3791

■ 65.1096, 0.3252,
0.3534

Harmonies

Analogous

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



57.7788, 0.4802, 0.4602



57.7788, 0.3953, 0.5243



57.7788, 0.2960, 0.5260

Triad

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



57.7788, 0.3953, 0.5243



57.7788, 0.1359, 0.2164



57.7788, 0.4116, 0.2485

Complementary

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



57.7788, 0.3953, 0.5243



5.0713, 0.1549, 0.0627

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.



57.7788, 0.2967, 0.1999



57.7788, 0.3953, 0.5243



57.7788, 0.1542, 0.1786

Square

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



57.7788, 0.3953, 0.5243



57.7788, 0.1512, 0.3015



57.7788, 0.2065, 0.1752



57.7788, 0.5034, 0.3128

Rectangle

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



57.7788, 0.3953, 0.5243



57.7788, 0.2332, 0.4700



57.7788, 0.2065, 0.1752



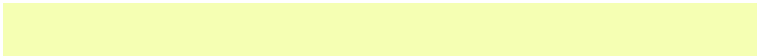
57.7788, 0.3729, 0.2300

Sweetspot

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



57.7814, 0.3953, 0.5243



94.0910, 0.3511, 0.4061



15.0033, 0.6291, 0.3386



19.9941, 0.3563, 0.4171



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.



57.7814, 0.3953, 0.5243



86.7757, 0.3950, 0.5245



49.2189, 0.3199, 0.5841



14.4302, 0.3246, 0.3522



35.3252, 0.3957, 0.5241



2.1549, 0.4000, 0.5206

Inverse Universe

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



5.0713, 0.1549, 0.0627



7.5729, 0.1543, 0.0624



9.9554, 0.2299, 0.1041



12.0890, 0.3002, 0.3050



3.1200, 0.1556, 0.0631



0.2151, 0.1685, 0.0702

Previews

White Background



This preview shows how the Yxy color 57.7788, 0.3953, 0.5243 looks on a white background.

Color Contrast Check

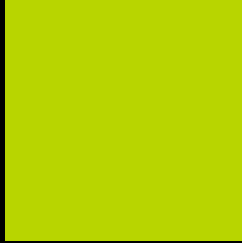
Large Text (above 18pt) WCAG AA × Fail

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 57.7788, 0.3953, 0.5243 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 57.7788, 0.3953, 0.5243

Background



This preview shows how black text looks on a background with the Yxy color 57.7788, 0.3953, 0.5243.



This preview shows how white text looks on a background with the Yxy color 57.7788, 0.3953, 0.5243.

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

57.7788, 0.3953, 0.5243

Protanopia

57.3161, 0.4406, 0.4884

Deuteranopia

57.2242, 0.4672, 0.4556



Tritanopia

57.5226, 0.3028, 0.3102

Trichromacy



Original Color

57.7788, 0.3953, 0.5243

Protanomaly

57.3643, 0.4236, 0.5019

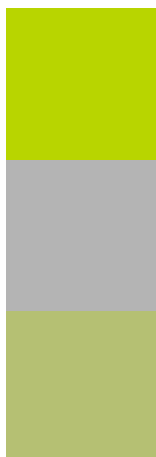
Deuteranomaly

56.7850, 0.4414, 0.4816

Tritanomaly

55.9588, 0.3544, 0.4128

Monochromacy



Original Color

57.7788, 0.3953, 0.5243

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

48.7608, 0.3621, 0.4306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7788, 0.3953, 0.5243 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(184, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 213, 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(184, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 213, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.7788, 0.3953, 0.5243 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(184, 213, 0) }
```

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

```
.border{ border-color:rgb(184, 213, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 213, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 213,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7788, 0.3953, 0.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 213, 0) }
```

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

```
.background{ background-color: rgb(184,  
213, 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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