

Converting Colors

$Yxy(52.3617, 0.3948, 0.5247)$

Have a look what the booklet for
Yxy(52.3617, 0.3948, 0.5247)
contains.

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Color

Yxy(52.4158, 0.3952, 0.5244)

Conversions

Conversions Part 1

Format	Color
Hex	B0CC00
RGB	176, 204, 0
RGB Percent	69%, 80%, 0%
CMY	0.3097, 0.2000, 0.9998
CMYK	0.14, 0.00, 1.00, 0.20
HSL	68°, 100%, 40%
HSV	68°, 100%, 80%
XYZ	39.5018, 52.4158, 8.0363
YIQ	172.3720, 48.7960, -69.3800

Conversions

Conversions Part 2

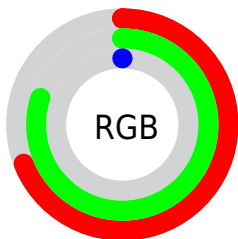
Format	Color
RYB	0, 204, 28
Decimal	11586560
CIELab	77.53, -30.01, 77.36
CIELCh	78, 82.979, 111.201
Yxy	52.4158, 0.3952, 0.5244
Android (android.graphics.Color)	4289776640 (0xFFB0CC00)
YUV	172.3720, -84.9794, 3.1818
Hunter-Lab	72.3988, -29.3058, 44.0979

Details

The Yxy color **52.4158, 0.3952, 0.5244** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.6082, 0.1550, 0.0628**, and the grayscale version is **41.8814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8223, 0.3905, 0.4898**, and **25.6642, 0.3827, 0.5344** is the 20% darker color. If you saturate the color by 10%, you get **52.4171, 0.3952, 0.5244**, and if you desaturate by 10%, it is **52.7998, 0.3955, 0.5185**.

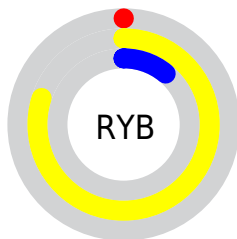
Distribution



Red (69%)

Green (80%)

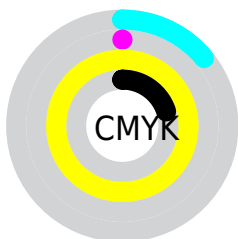
Blue (0%)



Red (0%)

Yellow (80%)

Blue (11%)

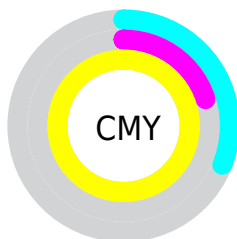


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (31%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4158, 0.3952, 0.5244 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 52.4158, 0.3952, 0.5244 by changing the saturation by 10% instead.

52.4158, 0.3952,
0.5244

52.4158, 0.3952,
0.5244

396.0397, 0.3655,
0.4318

37.3366, 0.3979,
0.5435

93.7442, 0.3878,
0.4934

25.4682, 0.3985,
0.5651

120.7621, 0.3840,
0.4808

16.4262, 0.3969,
0.5915

152.5285, 0.3803,
0.4699

9.8263, 0.3849,
0.6151

189.4276, 0.3769,
0.4603

5.2839, 0.3604,
0.6396

231.8439, 0.3737,
0.4519

2.4148, 0.3210,
0.6790

280.1617, 0.3707,

0.8335, 0.0668,

0.4444

0.9332

334.7656, 0.3680,
0.4378

■ 0.0000, 0.0000,
0.0000

■ 52.4158, 0.3952,
0.5244

■ 52.4158, 0.3952,
0.5244

■ 52.4171, 0.3952,
0.5244

■ 52.7998, 0.3955,
0.5185

■ 53.2432, 0.3937,
0.5089

■ 53.7670, 0.3893,
0.4947

■ 54.3813, 0.3824,
0.4764

■ 55.0947, 0.3733,
0.4547

■ 55.9146, 0.3625,
0.4306

■ 56.8477, 0.3506,
0.4050

■ 57.9003, 0.3380,
0.3791

■ 59.0778, 0.3252,
0.3535

Harmonies

Analogous

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



52.4158, 0.4802, 0.4603



52.4158, 0.3952, 0.5244



52.4158, 0.2959, 0.5260

Triad

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



52.4158, 0.3952, 0.5244



52.4158, 0.1359, 0.2163



52.4158, 0.4117, 0.2486

Complementary

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



52.4158, 0.3952, 0.5244



4.6082, 0.1550, 0.0628

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.



52.4158, 0.2968, 0.1999



52.4158, 0.3952, 0.5244



52.4158, 0.1542, 0.1785

Square

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



52.4158, 0.3952, 0.5244



52.4158, 0.1511, 0.3013



52.4158, 0.2066, 0.1752



52.4158, 0.5035, 0.3128

Rectangle

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



52.4158, 0.3952, 0.5244



52.4158, 0.2331, 0.4699



52.4158, 0.2066, 0.1752



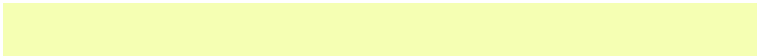
52.4158, 0.3730, 0.2301

Sweetspot

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



52.4182, 0.3952, 0.5244



94.0783, 0.3511, 0.4061



13.6327, 0.6288, 0.3389



19.9911, 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.



52.4182, 0.3952, 0.5244



86.7391, 0.3949, 0.5247



44.6745, 0.3201, 0.5841



13.0157, 0.3245, 0.3520



33.0226, 0.3955, 0.5241



1.7257, 0.4005, 0.5202

Inverse Universe

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



4.6082, 0.1550, 0.0628



7.5769, 0.1544, 0.0624



9.0453, 0.2301, 0.1041



10.9166, 0.3003, 0.3052



2.9231, 0.1558, 0.0632



0.1754, 0.1704, 0.0713

Previews

White Background



This preview shows how the Yxy color 52.4158, 0.3952, 0.5244 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 52.4158, 0.3952, 0.5244 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 52.4158, 0.3952, 0.5244

Background



This preview shows how black text looks on a background with the Yxy color 52.4158, 0.3952, 0.5244.



This preview shows how white text looks on a background with the Yxy color 52.4158, 0.3952, 0.5244.

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

52.4158, 0.3952, 0.5244

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

51.8699, 0.4667, 0.4559



Tritanopia

52.4412, 0.3032, 0.3107

Trichromacy



Original Color

52.4158, 0.3952, 0.5244

Protanomaly

51.8974, 0.4237, 0.5018

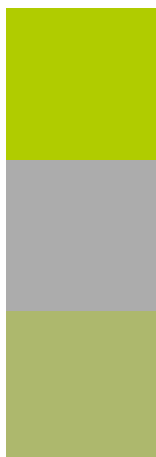
Deuteranomaly

51.2048, 0.4416, 0.4816

Tritanomaly

51.0810, 0.3545, 0.4135

Monochromacy



Original Color

52.4158, 0.3952, 0.5244

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

44.2693, 0.3624, 0.4321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4158, 0.3952, 0.5244 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(176, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 204, 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(176, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.4158, 0.3952, 0.5244 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(176, 204, 0) }
```

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

```
.border{ border-color:rgb(176, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4158, 0.3952, 0.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 204, 0) }
```

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

```
.background{ background-color: rgb(176,  
204, 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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