

Converting Colors

$Y_{xy}(45.2669, 0.3824, 0.5346)$

Have a look what the booklet for
Yxy(45.2669, 0.3824, 0.5346)
contains.

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Color

Yxy(45.3559, 0.3823, 0.5347)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 99C200 |
| RGB | 153, 194, 0 |
| RGB Percent | 60%, 76%, 0% |
| CMY | 0.4000, 0.2392, 1.0000 |
| CMYK | 0.21, 0.00, 1.00, 0.24 |
| HSL | 73°, 100%, 38% |
| HSV | 73°, 100%, 76% |
| XYZ | 32.4286, 45.3559, 7.0405 |
| YIQ | 159.6250, 37.8380, -69.0260 |

Conversions

Conversions Part 2

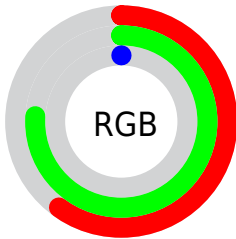
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 194, 41 |
| Decimal | 10076672 |
| CIELab | 73.13, -34.78, 73.39 |
| CIElCh | 73, 81.215, 115.357 |
| Yxy | 45.3559, 0.3823, 0.5347 |
| Android (android.graphics.Color) | 4288266752 (0xFF99C200) |
| YUV | 159.6250, -78.6951, -5.8101 |
| Hunter-Lab | 67.3468, -31.9062, 40.9445 |

Details

The Yxy color **45.3559, 0.3823, 0.5347** 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 **4.3667, 0.1606, 0.0658**, and the grayscale version is **35.3299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4373, 0.3766, 0.5000**, and **21.2430, 0.3661, 0.5475** is the 20% darker color. If you saturate the color by 10%, you get **45.3583, 0.3823, 0.5347**, and if you desaturate by 10%, it is **45.8125, 0.3838, 0.5274**.

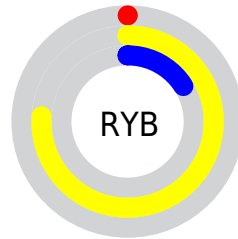
Distribution



Red (60%)

Green (76%)

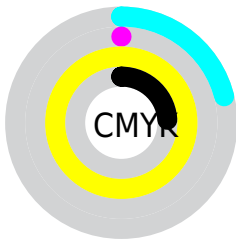
Blue (0%)



Red (0%)

Yellow (76%)

Blue (16%)

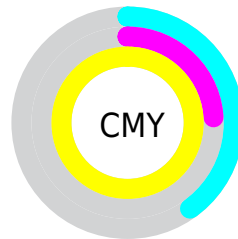


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (40%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3559, 0.3823, 0.5347 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 45.3559, 0.3823, 0.5347 by changing the saturation by 10% instead.


 45.3559, 0.3823,
0.5347


 45.3559, 0.3823,
0.5347


368.2131, 0.3583,
0.4329


 31.7378, 0.3833,
0.5569


 83.2542, 0.3771,
0.4995


 21.1613, 0.3815,
0.5825

 108.3033, 0.3740,
0.4856


 13.2420, 0.3785,
0.6184


 137.9315, 0.3710,
0.4737

 7.5954, 0.3568,
0.6432

 172.5232, 0.3681,
0.4633

 3.8372, 0.3222,
0.6778

 212.4628, 0.3654,
0.4542

 1.5829, 0.2516,
0.7484

 258.1347, 0.3628,

 0.3460, 0.0000,

0.4462

1.0000

309.9233, 0.3605,
0.4392

■ 0.0000, 0.0000,
0.0000

■ 45.3559, 0.3823,
0.5347

■ 45.3559, 0.3823,
0.5347

■ 45.3583, 0.3823,
0.5347

■ 45.8125, 0.3838,
0.5274

■ 46.3290, 0.3832,
0.5162

■ 46.9251, 0.3801,
0.5004

■ 47.6097, 0.3745,
0.4805

■ 48.3905, 0.3667,
0.4574

■ 49.2741, 0.3573,
0.4321

■ 50.2667, 0.3467,
0.4058

■ 51.3736, 0.3355,
0.3794

■ 52.6000, 0.3240,
0.3536

Harmonies

Analogous

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



45.3559, 0.4728, 0.4727



45.3559, 0.3823, 0.5347



45.3559, 0.2807, 0.5240

Triad

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



45.3559, 0.3823, 0.5347



45.3559, 0.1331, 0.2056



45.3559, 0.4301, 0.2550

Complementary

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



45.3559, 0.3823, 0.5347



4.3667, 0.1606, 0.0658

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.



45.3559, 0.3118, 0.2027



45.3559, 0.3823, 0.5347



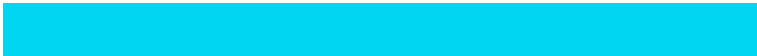
45.3559, 0.1562, 0.1731

Square

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



45.3559, 0.3823, 0.5347



45.3559, 0.1433, 0.2848



45.3559, 0.2146, 0.1741



45.3559, 0.5163, 0.3215

Rectangle

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



45.3559, 0.3823, 0.5347



45.3559, 0.2188, 0.4573



45.3559, 0.2146, 0.1741



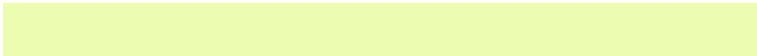
45.3559, 0.3911, 0.2354

Sweetspot

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



45.3583, 0.3823, 0.5347



90.9758, 0.3472, 0.4071



12.9079, 0.6181, 0.3474



19.7489, 0.3519, 0.4185



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.



45.3583, 0.3823, 0.5347



82.0593, 0.3817, 0.5351



39.4911, 0.3139, 0.5889



11.6475, 0.3233, 0.3520



29.8565, 0.3828, 0.5343



1.3176, 0.3914, 0.5274

Inverse Universe

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



4.3667, 0.1606, 0.0658



7.8233, 0.1595, 0.0652



9.1130, 0.2460, 0.1129



9.8483, 0.3015, 0.3054



2.9001, 0.1615, 0.0664



0.1559, 0.1839, 0.0787

Previews

White Background



This preview shows how the Yxy color 45.3559, 0.3823, 0.5347 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 45.3559, 0.3823, 0.5347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

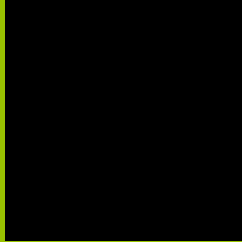
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3559, 0.3823, 0.5347

Background



This preview shows how black text looks on a background with the Yxy color 45.3559, 0.3823, 0.5347.



This preview shows how white text looks on a background with the Yxy color 45.3559, 0.3823, 0.5347.

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

45.3559, 0.3823, 0.5347

Protanopia

45.1991, 0.4400, 0.4889

Deuteranopia

45.0396, 0.4654, 0.4552



Tritanopia

45.1287, 0.2929, 0.3092

Trichromacy



Original Color

45.3559, 0.3823, 0.5347

Protanomaly

44.8883, 0.4184, 0.5060

Deuteranomaly

44.4402, 0.4352, 0.4857

Tritanomaly

44.0457, 0.3424, 0.4155

Monochromacy



Original Color

45.3559, 0.3823, 0.5347

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.6325, 0.3574, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3559, 0.3823, 0.5347 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(153, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 194, 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(153, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 194, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.3559, 0.3823, 0.5347 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(153, 194, 0) }
```

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

```
.border{ border-color:rgb(153, 194, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 194,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3559, 0.3823, 0.5347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 194, 0) }
```

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

```
.background{ background-color: rgb(153,  
194, 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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