

Converting Colors

$Y_{xy}(45.7592, 0.3616, 0.5511)$

Have a look what the booklet for
Yxy(45.7592, 0.3616, 0.5511)
contains.

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Color

Yxy(45.8334, 0.3618, 0.5509)

Conversions

Conversions Part 1

Format	Color
Hex	85C700
RGB	133, 199, 0
RGB Percent	52%, 78%, 0%
CMY	0.4783, 0.2196, 0.9995
CMYK	0.33, 0.00, 1.00, 0.22
HSL	80°, 100%, 39%
HSV	80°, 100%, 78%
XYZ	30.1008, 45.8334, 7.2631
YIQ	156.5800, 24.5430, -75.8810

Conversions

Conversions Part 2

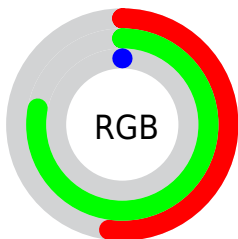
Format	Color
RYB	0, 199, 66
Decimal	8767232
CIELab	73.44, -44.69, 73.09
CIELCh	73, 85.671, 121.444
Yxy	45.8334, 0.3618, 0.5509
Android (android.graphics.Color)	4286957312 (0xFF85C700)
YUV	156.5800, -77.1939, -20.6797
Hunter-Lab	67.7004, -39.1114, 41.0294

Details

The Yxy color **45.8334, 0.3618, 0.5509** 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 **5.2873, 0.1739, 0.0732**, and the grayscale version is **33.8739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2056, 0.3607, 0.5107**, and **21.7467, 0.3403, 0.5680** is the 20% darker color. If you saturate the color by 10%, you get **45.8318, 0.3618, 0.5510**, and if you desaturate by 10%, it is **46.4402, 0.3652, 0.5418**.

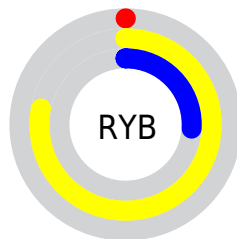
Distribution



Red (52%)

Green (78%)

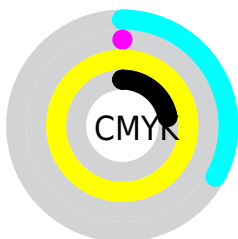
Blue (0%)



Red (0%)

Yellow (78%)

Blue (26%)

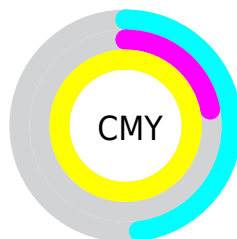


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (48%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8334, 0.3618, 0.5509 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 45.8334, 0.3618, 0.5509 by changing the saturation by 10% instead.


 45.8334, 0.3618,
0.5509


 45.8334, 0.3618,
0.5509


370.1385, 0.3487,
0.4386

 32.1144, 0.3601,
0.5763


 83.9696, 0.3606,
0.5114

 21.4489, 0.3547,
0.6063


 109.1556, 0.3590,
0.4960

 13.4525, 0.3463,
0.6476


 138.9327, 0.3572,
0.4829

 7.7409, 0.3193,
0.6807

 173.6852, 0.3554,
0.4715

 3.9296, 0.2757,
0.7243

 213.7977, 0.3536,
0.4616

 1.6343, 0.1650,
0.8350

 259.6545, 0.3519,

 0.3805, 0.0000,

0.4530

1.0000

311.6399, 0.3502,
0.4453

■ 0.0000, 0.0000,
0.0000

■ 45.8334, 0.3618,
0.5509

■ 45.8334, 0.3618,
0.5509

■ 45.8318, 0.3618,
0.5510

■ 46.4402, 0.3652,
0.5418

■ 47.1311, 0.3666,
0.5283

■ 47.9265, 0.3655,
0.5101

■ 48.8365, 0.3620,
0.4877

■ 49.8695, 0.3563,
0.4623

■ 51.0332, 0.3491,
0.4351

■ 52.3342, 0.3406,
0.4073

■ 53.7790, 0.3315,
0.3799

■ 55.3732, 0.3220,
0.3536

Harmonies

Analogous

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



45.8334, 0.4603, 0.4925



45.8334, 0.3618, 0.5509



45.8334, 0.2571, 0.5190

Triad

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



45.8334, 0.3618, 0.5509



45.8334, 0.1289, 0.1899



45.8334, 0.4592, 0.2646

Complementary

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



45.8334, 0.3618, 0.5509



5.2873, 0.1739, 0.0732

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.



45.8334, 0.3360, 0.2070



45.8334, 0.3618, 0.5509



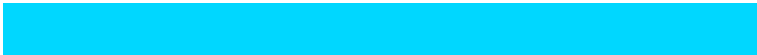
45.8334, 0.1594, 0.1649

Square

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



45.8334, 0.3618, 0.5509



45.8334, 0.1317, 0.2603



45.8334, 0.2274, 0.1722



45.8334, 0.5351, 0.3344

Rectangle

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



45.8334, 0.3618, 0.5509



45.8334, 0.1970, 0.4363



45.8334, 0.2274, 0.1722



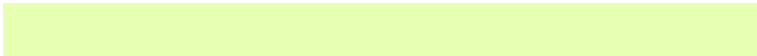
45.8334, 0.4200, 0.2435

Sweetspot

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



45.8354, 0.3618, 0.5509



91.5157, 0.3410, 0.4087



15.7082, 0.5927, 0.3675



19.3742, 0.3448, 0.4206



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.



45.8354, 0.3618, 0.5509



80.1130, 0.3610, 0.5516



41.2317, 0.3057, 0.5954



12.2340, 0.3215, 0.3522



29.5211, 0.3625, 0.5503



1.4361, 0.3747, 0.5407

Inverse Universe

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



5.2873, 0.1739, 0.0732



9.1317, 0.1725, 0.0724



11.8639, 0.2747, 0.1287



10.4555, 0.3033, 0.3055



3.4394, 0.1751, 0.0738



0.2026, 0.1992, 0.0871

Previews

White Background



This preview shows how the Yxy color 45.8334, 0.3618, 0.5509 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 45.8334, 0.3618, 0.5509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

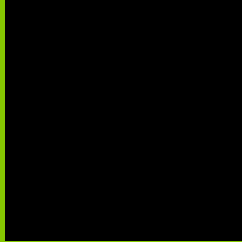
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8334, 0.3618, 0.5509

Background



This preview shows how black text looks on a background with the Yxy color 45.8334, 0.3618, 0.5509.



This preview shows how white text looks on a background with the Yxy color 45.8334, 0.3618, 0.5509.

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

45.8334, 0.3618, 0.5509

Protanopia

45.3390, 0.4409, 0.4881

Deuteranopia

45.0581, 0.4644, 0.4540



Tritanopia

45.6404, 0.2767, 0.3087

Trichromacy



Original Color

45.8334, 0.3618, 0.5509

Protanomaly

45.0056, 0.4110, 0.5119

Deuteranomaly

44.3202, 0.4263, 0.4917

Tritanomaly

44.4702, 0.3234, 0.4218

Monochromacy



Original Color

45.8334, 0.3618, 0.5509

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

36.7210, 0.3501, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8334, 0.3618, 0.5509 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(133, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 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(133, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.8334, 0.3618, 0.5509 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(133, 199, 0) }
```

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

```
.border{ border-color:rgb(133, 199, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8334, 0.3618, 0.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 0) }
```

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

```
.background{ background-color: rgb(133,  
199, 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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