

Converting Colors

$Y_{xy}(43.9772, 0.3422, 0.5665)$

Have a look what the booklet for
Yxy(43.9772, 0.3422, 0.5665)
contains.

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Color

Yxy(44.0350, 0.3423, 0.5664)

Conversions

Conversions Part 1

Format	Color
Hex	6CC700
RGB	108, 199, 0
RGB Percent	42%, 78%, 0%
CMY	0.5763, 0.2196, 0.9998
CMYK	0.46, 0.00, 1.00, 0.22
HSL	87°, 100%, 39%
HSV	87°, 100%, 78%
XYZ	26.6123, 44.0350, 7.0982
YIQ	149.1050, 9.6430, -81.1810

Conversions

Conversions Part 2

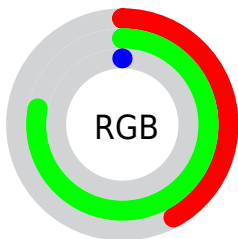
Format	Color
RYB	0, 199, 91
Decimal	7128832
CIELab	72.25, -53.29, 71.67
CIELCh	72, 89.309, 126.636
Yxy	44.0350, 0.3423, 0.5664
Android (android.graphics.Color)	4285318912 (0xFF6CC700)
YUV	149.1050, -73.5088, -36.0491
Hunter-Lab	66.3589, -44.5432, 40.1092

Details

The Yxy color **44.0350, 0.3423, 0.5664** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.3496, 0.1938, 0.0841**, and the grayscale version is **30.4227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3296, 0.3453, 0.5216**, and **20.4601, 0.3152, 0.5879** is the 20% darker color. If you saturate the color by 10%, you get **44.0350, 0.3423, 0.5664**, and if you desaturate by 10%, it is **44.6880, 0.3470, 0.5558**.

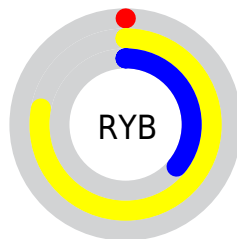
Distribution



Red (42%)

Green (78%)

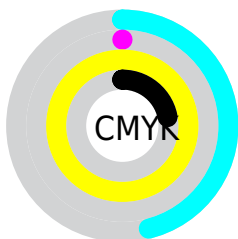
Blue (0%)



Red (0%)

Yellow (78%)

Blue (36%)

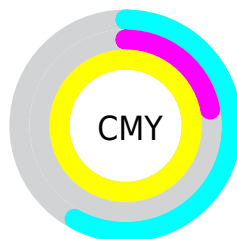


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (58%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0350, 0.3423, 0.5664 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 44.0350, 0.3423, 0.5664 by changing the saturation by 10% instead.

 44.0350, 0.3423,
0.5664


 44.0350, 0.3423,
0.5664


362.8511, 0.3394,
0.4431


 30.6980, 0.3378,
0.5954


 81.2704, 0.3449,
0.5222

 20.3690, 0.3288,
0.6301

 105.9376, 0.3448,
0.5052


 12.6636, 0.3158,
0.6797


 135.1504, 0.3442,
0.4908

 7.1973, 0.2811,
0.7189

 169.2931, 0.3433,
0.4785

 3.5858, 0.2276,
0.7724

 208.7501, 0.3424,
0.4678

 1.4447, 0.0000,
1.0000

 253.9058, 0.3414,

 0.2493, 0.0000,

0.4585

1.0000

305.1447, 0.3404,
0.4503

■ 0.0000, 0.0000,
0.0000

■ 44.0350, 0.3423,
0.5664

■ 44.6880, 0.3470,
0.5558

■ 45.4520, 0.3501,
0.5404

■ 46.3486, 0.3508,
0.5198

■ 47.3887, 0.3493,
0.4950

■ 48.5819, 0.3457,
0.4674

■ 49.9367, 0.3406,
0.4383

■ 51.4607, 0.3344,
0.4091

■ 53.1612, 0.3274,
0.3807

■ 55.0448, 0.3201,
0.3538

Harmonies

Analogous

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



44.0350, 0.4479, 0.5117



44.0350, 0.3423, 0.5664



44.0350, 0.2352, 0.5127

Triad

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



44.0350, 0.3423, 0.5664



44.0350, 0.1249, 0.1762



44.0350, 0.4864, 0.2729

Complementary

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



44.0350, 0.3423, 0.5664



6.3496, 0.1938, 0.0841

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.



44.0350, 0.3596, 0.2107



44.0350, 0.3423, 0.5664



44.0350, 0.1622, 0.1575

Square

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



44.0350, 0.3423, 0.5664



44.0350, 0.1213, 0.2387



44.0350, 0.2398, 0.1702



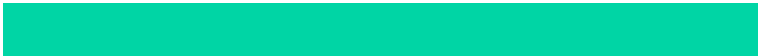
44.0350, 0.5512, 0.3456

Rectangle

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



44.0350, 0.3423, 0.5664



44.0350, 0.1772, 0.4155



44.0350, 0.2398, 0.1702



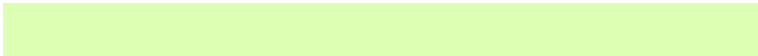
44.0350, 0.4477, 0.2504

Sweetspot

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



44.0369, 0.3423, 0.5664



89.9741, 0.3347, 0.4104



19.3842, 0.5561, 0.3967



19.0072, 0.3374, 0.4229



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.



44.0369, 0.3423, 0.5664



76.9589, 0.3413, 0.5672



40.9104, 0.3010, 0.5992



12.1667, 0.3196, 0.3523



28.3689, 0.3432, 0.5657



1.3860, 0.3586, 0.5535

Inverse Universe

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



6.3496, 0.1938, 0.0841



10.9731, 0.1923, 0.0833



14.9501, 0.3084, 0.1473



10.5210, 0.3053, 0.3056



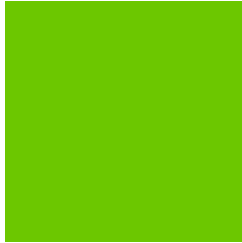
4.1318, 0.1952, 0.0849



0.2386, 0.2190, 0.0980

Previews

White Background



This preview shows how the Yxy color 44.0350, 0.3423, 0.5664 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 44.0350, 0.3423, 0.5664 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 44.0350, 0.3423, 0.5664

Background



This preview shows how black text looks on a background with the Yxy color 44.0350, 0.3423, 0.5664.



This preview shows how white text looks on a background with the Yxy color 44.0350, 0.3423, 0.5664.

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

44.0350, 0.3423, 0.5664

Protanopia

43.5864, 0.4403, 0.4886

Deuteranopia

43.3202, 0.4633, 0.4528



Tritanopia

43.8546, 0.2629, 0.3079

Trichromacy



Original Color

44.0350, 0.3423, 0.5664

Protanomaly

42.8049, 0.4014, 0.5195

Deuteranomaly

42.1341, 0.4175, 0.4976

Tritanomaly

42.6443, 0.3059, 0.4269

Monochromacy



Original Color

44.0350, 0.3423, 0.5664

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

33.5320, 0.3420, 0.4460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0350, 0.3423, 0.5664 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(108, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.0350, 0.3423, 0.5664 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(108, 199, 0) }
```

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

```
.border{ border-color:rgb(108, 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(108, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 199,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0350, 0.3423, 0.5664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 199, 0) }
```

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

```
.background{ background-color: rgb(108,  
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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