

Converting Colors

$Y_{xy}(45.3540, 0.3283, 0.5775)$

Have a look what the booklet for
Yxy(45.3540, 0.3283, 0.5775)
contains.

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Color

Yxy(45.3594, 0.3285, 0.5774)

Conversions

Conversions Part 1

Format	Color
Hex	5ACC00
RGB	90, 204, 0
RGB Percent	35%, 80%, 0%
CMY	0.6472, 0.2000, 1.0000
CMYK	0.56, 0.00, 1.00, 0.20
HSL	94°, 100%, 40%
HSV	94°, 100%, 80%
XYZ	25.8063, 45.3594, 7.3923
YIQ	146.6580, -2.4600, -87.6120

Conversions

Conversions Part 2

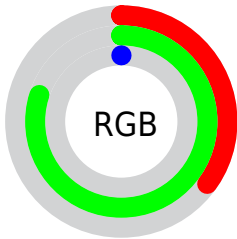
Format	Color
RYB	0, 204, 114
Decimal	5950464
CIELab	73.13, -60.41, 72.08
CIELCh	73, 94.043, 129.964
Yxy	45.3594, 0.3285, 0.5774
Android (android.graphics.Color)	4284140544 (0xFF5ACC00)
YUV	146.6580, -72.3024, -49.6891
Hunter-Lab	67.3494, -49.4655, 40.6369

Details

The Yxy color **45.3594, 0.3285, 0.5774** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **7.9404, 0.2137, 0.0951**, and the grayscale version is **29.3313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8046, 0.3358, 0.5268**, and **21.4949, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.3615, 0.3285, 0.5774**, and if you desaturate by 10%, it is **46.0296, 0.3337, 0.5662**.

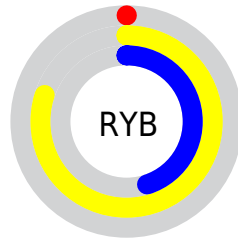
Distribution



Red (35%)

Green (80%)

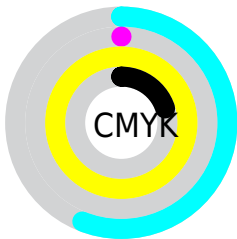
Blue (0%)



Red (0%)

Yellow (80%)

Blue (45%)

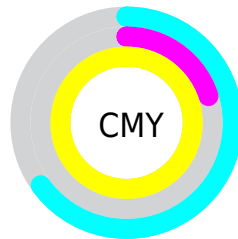


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (65%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3594, 0.3285, 0.5774 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 45.3594, 0.3285, 0.5774 by changing the saturation by 10% instead.


 45.3594, 0.3285,
0.5774

 45.3594, 0.3285,
0.5774


368.2272, 0.3331,
0.4474


 31.7406, 0.3222,
0.6083

 83.2595, 0.3339,
0.5305

 21.1634, 0.3110,
0.6456


 108.3095, 0.3347,
0.5126

 13.2435, 0.2944,
0.6972


 137.9388, 0.3350,
0.4975

 7.5965, 0.2576,
0.7424

 172.5317, 0.3349,
0.4845

 3.8378, 0.2008,
0.7992

 212.4726, 0.3346,
0.4733

 1.5833, 0.0000,
1.0000

 258.1459, 0.3341,

 0.3463, 0.0000,

0.4636

1.0000

309.9359, 0.3336,
0.4550

■ 0.0000, 0.0000,
0.0000

■ 45.3594, 0.3285,
0.5774

■ 45.3594, 0.3285,
0.5774

■ 45.3615, 0.3285,
0.5774

■ 46.0296, 0.3337,
0.5662

■ 46.8440, 0.3376,
0.5497

■ 47.8271, 0.3395,
0.5275

■ 48.9921, 0.3394,
0.5010

■ 50.3508, 0.3374,
0.4716

■ 51.9136, 0.3339,
0.4410

■ 53.6901, 0.3294,
0.4106

■ 55.6893, 0.3241,
0.3814

■ 57.9193, 0.3185,
0.3541

Harmonies

Analogous

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



45.3594, 0.4386, 0.5255



45.3594, 0.3285, 0.5774



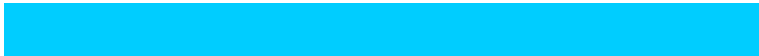
45.3594, 0.2201, 0.5072

Triad

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



45.3594, 0.3285, 0.5774



45.3594, 0.1221, 0.1671



45.3594, 0.5054, 0.2781

Complementary

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



45.3594, 0.3285, 0.5774



7.9404, 0.2137, 0.0951

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.



45.3594, 0.3766, 0.2129



45.3594, 0.3285, 0.5774



45.3594, 0.1641, 0.1525

Square

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



45.3594, 0.3285, 0.5774



45.3594, 0.1144, 0.2246



45.3594, 0.2486, 0.1688



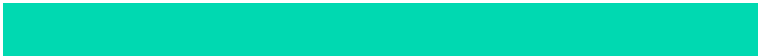
45.3594, 0.5615, 0.3527

Rectangle

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



45.3594, 0.3285, 0.5774



45.3594, 0.1640, 0.4005



45.3594, 0.2486, 0.1688



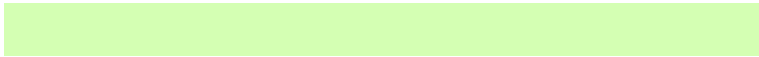
45.3594, 0.4673, 0.2549

Sweetspot

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



45.3615, 0.3285, 0.5774



88.7865, 0.3296, 0.4118



24.4721, 0.5270, 0.4198



18.7268, 0.3316, 0.4247



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.



45.3615, 0.3285, 0.5774



74.9944, 0.3276, 0.5781



43.2120, 0.2992, 0.5972



12.7749, 0.3181, 0.3525



28.6017, 0.3295, 0.5766



1.5202, 0.3451, 0.5642

Inverse Universe

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



7.9404, 0.2137, 0.0951



13.0195, 0.2125, 0.0944



16.7249, 0.3339, 0.1613



11.1480, 0.3069, 0.3057



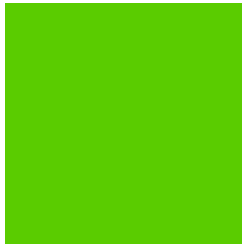
5.0533, 0.2151, 0.0958



0.3052, 0.2351, 0.1069

Previews

White Background



This preview shows how the Yxy color 45.3594, 0.3285, 0.5774 looks on a white background.

Color Contrast Check

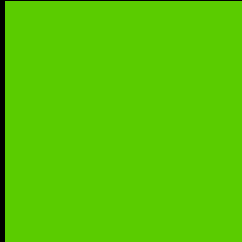
Large Text (above 18pt) WCAG AA × Fail

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 45.3594, 0.3285, 0.5774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

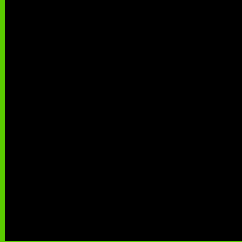
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3594, 0.3285, 0.5774

Background



This preview shows how black text looks on a background with the Yxy color 45.3594, 0.3285, 0.5774.



This preview shows how white text looks on a background with the Yxy color 45.3594, 0.3285, 0.5774.

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

45.3594, 0.3285, 0.5774

Protanopia

44.6577, 0.4401, 0.4888

Deuteranopia

44.3904, 0.4622, 0.4525



Tritanopia

45.2278, 0.2530, 0.3078

Trichromacy



Original Color

45.3594, 0.3285, 0.5774



Protanomaly

43.5435, 0.3942, 0.5252



Deuteranomaly

42.6490, 0.4086, 0.5035



Tritanomaly

43.8931, 0.2933, 0.4313

Monochromacy



Original Color

45.3594, 0.3285, 0.5774



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.2490, 0.3347, 0.4518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3594, 0.3285, 0.5774 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(90, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 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(90, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.3594, 0.3285, 0.5774 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(90, 204, 0) }
```

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

```
.border{ border-color:rgb(90, 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(90, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.3594, 0.3285, 0.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 204, 0) }
```

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

```
.background{ background-color: rgb(90, 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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