

Converting Colors

$Yxy(44.9177, 0.3231, 0.5816)$

Have a look what the booklet for
Yxy(44.9177, 0.3231, 0.5816)
contains.

Yxy(44.9351, 0.3233, 0.5815)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.9351, 0.3233, 0.5815)

Conversions

Conversions Part 1

Format	Color
Hex	51CC00
RGB	81, 204, 0
RGB Percent	32%, 80%, 0%
CMY	0.6826, 0.2000, 0.9999
CMYK	0.60, 0.00, 1.00, 0.20
HSL	96°, 100%, 40%
HSV	96°, 100%, 80%
XYZ	24.9828, 44.9351, 7.3565
YIQ	143.9670, -7.8240, -89.5200

Conversions

Conversions Part 2

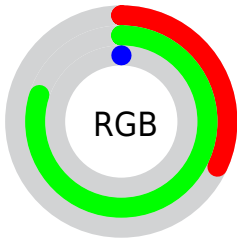
Format	Color
RYB	0, 204, 123
Decimal	5360640
CIELab	72.85, -62.68, 71.73
CIELCh	73, 95.260, 131.150
Yxy	44.9351, 0.3233, 0.5815
Android (android.graphics.Color)	4283550720 (0xFF51CC00)
YUV	143.9670, -70.9757, -55.2221
Hunter-Lab	67.0336, -50.7836, 40.4168

Details

The Yxy color **44.9351, 0.3233, 0.5815** 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 **8.5776, 0.2233, 0.1004**, and the grayscale version is **28.1662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0585, 0.3311, 0.5299**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.9364, 0.3233, 0.5815**, and if you desaturate by 10%, it is **45.5824, 0.3285, 0.5702**.

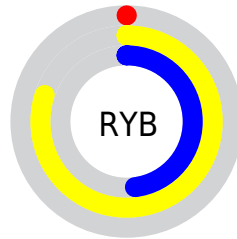
Distribution



Red (32%)

Green (80%)

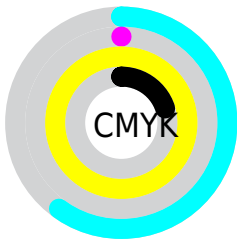
Blue (0%)



Red (0%)

Yellow (80%)

Blue (48%)

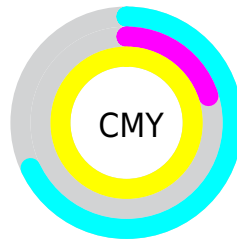


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (68%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9351, 0.3233, 0.5815 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 44.9351, 0.3233, 0.5815 by changing the saturation by 10% instead.


 44.9351, 0.3233,
0.5815

 44.9351, 0.3233,
0.5815


366.5106, 0.3306,
0.4486

 31.4063, 0.3162,
0.6134


 82.6230, 0.3297,
0.5334

 20.9084, 0.3041,
0.6519


 107.5509, 0.3309,
0.5151

 13.0571, 0.2862,
0.7057


 137.0473, 0.3315,
0.4996


 7.4679, 0.2477,
0.7523

 171.4966, 0.3317,
0.4864

 3.7564, 0.1888,
0.8112

 211.2832, 0.3316,
0.4750

 1.5382, 0.0000,
1.0000

 256.7915, 0.3314,

 0.3154, 0.0000,

0.4650

1.0000

308.4058, 0.3310,
0.4563

■ 0.0000, 0.0000,
0.0000

■ 44.9351, 0.3233,
0.5815

■ 44.9351, 0.3233,
0.5815

■ 44.9364, 0.3233,
0.5815

■ 45.5824, 0.3285,
0.5702

■ 46.3862, 0.3326,
0.5533

■ 47.3717, 0.3349,
0.5306

■ 48.5533, 0.3352,
0.5033

■ 49.9435, 0.3338,
0.4732

■ 51.5537, 0.3311,
0.4420

■ 53.3942, 0.3272,
0.4111

■ 55.4747, 0.3227,
0.3816

■ 57.8043, 0.3178,
0.3541

Harmonies

Analogous

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



44.9351, 0.4351, 0.5307



44.9351, 0.3233, 0.5815



44.9351, 0.2145, 0.5049

Triad

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



44.9351, 0.3233, 0.5815



44.9351, 0.1211, 0.1638



44.9351, 0.5124, 0.2800

Complementary

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



44.9351, 0.3233, 0.5815



8.5776, 0.2233, 0.1004

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.



44.9351, 0.3831, 0.2138



44.9351, 0.3233, 0.5815



44.9351, 0.1648, 0.1506

Square

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



44.9351, 0.3233, 0.5815



44.9351, 0.1120, 0.2194



44.9351, 0.2520, 0.1682



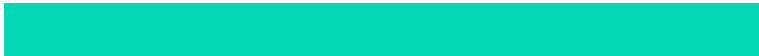
44.9351, 0.5651, 0.3552

Rectangle

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



44.9351, 0.3233, 0.5815



44.9351, 0.1591, 0.3948



44.9351, 0.2520, 0.1682



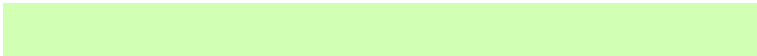
44.9351, 0.4746, 0.2565

Sweetspot

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



44.9370, 0.3233, 0.5815



88.2878, 0.3274, 0.4123



26.8596, 0.5125, 0.4313



18.6098, 0.3291, 0.4254



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.



44.9370, 0.3233, 0.5815



74.2961, 0.3224, 0.5822



43.2421, 0.2982, 0.5936



12.7504, 0.3175, 0.3525



28.3314, 0.3243, 0.5807



1.5053, 0.3401, 0.5682

Inverse Universe

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



8.5776, 0.2233, 0.1004



14.0740, 0.2222, 0.0998



16.2835, 0.3480, 0.1691



11.1731, 0.3075, 0.3057



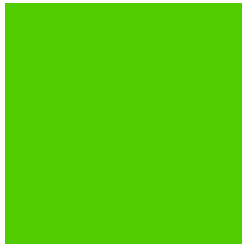
5.4530, 0.2246, 0.1011



0.3246, 0.2433, 0.1114

Previews

White Background



This preview shows how the Yxy color 44.9351, 0.3233, 0.5815 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 44.9351, 0.3233, 0.5815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

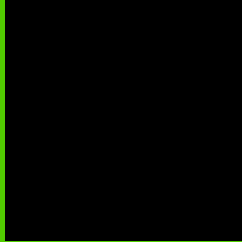
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9351, 0.3233, 0.5815

Background



This preview shows how black text looks on a background with the Yxy color 44.9351, 0.3233, 0.5815.



This preview shows how white text looks on a background with the Yxy color 44.9351, 0.3233, 0.5815.

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

44.9351, 0.3233, 0.5815

Protanopia

44.1201, 0.4402, 0.4887

Deuteranopia

43.8677, 0.4620, 0.4517



Tritanopia

44.8121, 0.2497, 0.3076

Trichromacy



Original Color

44.9351, 0.3233, 0.5815



Protanomaly

42.7087, 0.3913, 0.5275



Deuteranomaly

41.7848, 0.4056, 0.5056



Tritanomaly

43.4667, 0.2889, 0.4326

Monochromacy



Original Color

44.9351, 0.3233, 0.5815



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.1101, 0.3320, 0.4545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9351, 0.3233, 0.5815 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(81, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.9351, 0.3233, 0.5815 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(81, 204, 0) }
```

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

```
.border{ border-color:rgb(81, 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(81, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.9351, 0.3233, 0.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 204, 0) }
```

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

```
.background{ background-color: rgb(81, 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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