

Converting Colors

$Y_{xy}(45.0188, 0.3282, 0.5776)$

Have a look what the booklet for
Yxy(45.0188, 0.3282, 0.5776)
contains.

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Color

Yxy(44.8357, 0.3282, 0.5776)

Conversions

Conversions Part 1

Format	Color
Hex	59CB00
RGB	89, 203, 0
RGB Percent	35%, 80%, 0%
CMY	0.6510, 0.2039, 0.9998
CMYK	0.56, 0.00, 1.00, 0.20
HSL	94°, 100%, 40%
HSV	94°, 100%, 80%
XYZ	25.4762, 44.8357, 7.3122
YIQ	145.7720, -2.7810, -87.3010

Conversions

Conversions Part 2

Format	Color
RYB	0, 203, 114
Decimal	5884672
CIELab	72.78, -60.31, 71.78
CIELCh	73, 93.752, 130.035
Yxy	44.8357, 0.3282, 0.5776
Android (android.graphics.Color)	4284074752 (0xFF59CB00)
YUV	145.7720, -71.8656, -49.7890
Hunter-Lab	66.9595, -49.2647, 40.3970

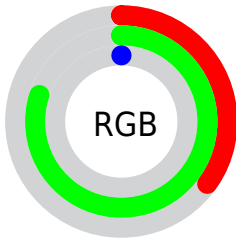
Details

The Yxy color **44.8357, 0.3282, 0.5776** 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 **7.8937, 0.2143, 0.0954**, and the grayscale version is **28.9510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7085, 0.3352, 0.5272**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.8361, 0.3282, 0.5776**, and if you desaturate by 10%, it is **45.4978, 0.3334, 0.5664**.

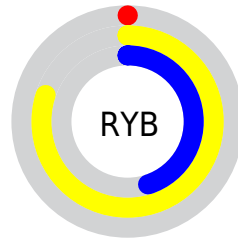
Distribution



Red (35%)

Green (80%)

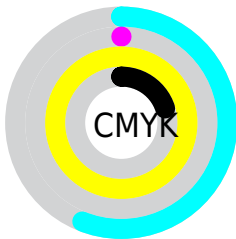
Blue (0%)



Red (0%)

Yellow (80%)

Blue (45%)

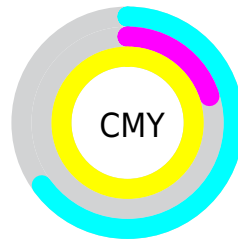


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (65%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8357, 0.3282, 0.5776 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 44.8357, 0.3282, 0.5776 by changing the saturation by 10% instead.


 44.8357, 0.3282,
0.5776


 44.8357, 0.3282,
0.5776


366.1077, 0.3329,
0.4473


 31.3280, 0.3218,
0.6087


 82.4738, 0.3336,
0.5305


 20.8488, 0.3105,
0.6462


 107.3730, 0.3345,
0.5126


 13.0135, 0.2938,
0.6987


 136.8382, 0.3348,
0.4974

 7.4378, 0.2564,
0.7436

 171.2538, 0.3347,
0.4844

 3.7374, 0.1989,
0.8011

 211.0042, 0.3344,
0.4732

 1.5278, 0.0000,
1.0000

 256.4737, 0.3340,

 0.3082, 0.0000,

0.4634

1.0000

308.0467, 0.3335,
0.4548

■ 0.0000, 0.0000,
0.0000

■ 44.8357, 0.3282,
0.5776

■ 44.8357, 0.3282,
0.5776

■ 44.8361, 0.3282,
0.5776

■ 45.4978, 0.3334,
0.5664

■ 46.3034, 0.3373,
0.5498

■ 47.2765, 0.3392,
0.5276

■ 48.4303, 0.3391,
0.5010

■ 49.7765, 0.3372,
0.4716

■ 51.3254, 0.3337,
0.4410

■ 53.0865, 0.3292,
0.4105

■ 55.0687, 0.3240,
0.3813

■ 57.2801, 0.3184,
0.3540

Harmonies

Analogous

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



44.8357, 0.4384, 0.5258



44.8357, 0.3282, 0.5776



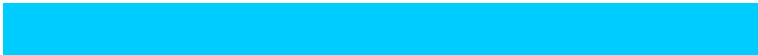
44.8357, 0.2198, 0.5071

Triad

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



44.8357, 0.3282, 0.5776



44.8357, 0.1221, 0.1669



44.8357, 0.5058, 0.2783

Complementary

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



44.8357, 0.3282, 0.5776



7.8937, 0.2143, 0.0954

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.



44.8357, 0.3770, 0.2130



44.8357, 0.3282, 0.5776



44.8357, 0.1642, 0.1524

Square

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



44.8357, 0.3282, 0.5776



44.8357, 0.1143, 0.2243



44.8357, 0.2488, 0.1688



44.8357, 0.5617, 0.3528

Rectangle

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



44.8357, 0.3282, 0.5776



44.8357, 0.1637, 0.4001



44.8357, 0.2488, 0.1688



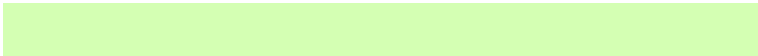
44.8357, 0.4677, 0.2550

Sweetspot

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



44.8376, 0.3282, 0.5776



88.7560, 0.3294, 0.4118



24.2137, 0.5269, 0.4198



18.7197, 0.3315, 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.



44.8376, 0.3282, 0.5776



74.9495, 0.3273, 0.5783



42.7361, 0.2992, 0.5972



12.7735, 0.3181, 0.3525



28.5844, 0.3292, 0.5768



1.5193, 0.3448, 0.5644

Inverse Universe

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



7.8937, 0.2143, 0.0954



13.0805, 0.2131, 0.0947



16.5419, 0.3339, 0.1613



11.1496, 0.3069, 0.3057



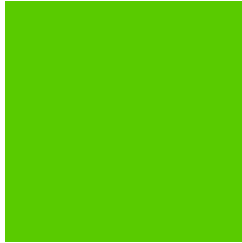
5.0765, 0.2156, 0.0962



0.3063, 0.2356, 0.1072

Previews

White Background



This preview shows how the Yxy color 44.8357, 0.3282, 0.5776 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 44.8357, 0.3282, 0.5776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

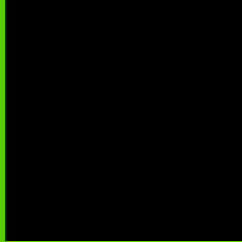
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8357, 0.3282, 0.5776

Background



This preview shows how black text looks on a background with the Yxy color 44.8357, 0.3282, 0.5776.



This preview shows how white text looks on a background with the Yxy color 44.8357, 0.3282, 0.5776.

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

44.8357, 0.3282, 0.5776

Protanopia

44.1201, 0.4402, 0.4887

Deuteranopia

43.8604, 0.4624, 0.4521



Tritanopia

44.6768, 0.2528, 0.3077

Trichromacy



Original Color

44.8357, 0.3282, 0.5776



Protanomaly

43.0142, 0.3941, 0.5253



Deuteranomaly

42.1255, 0.4085, 0.5035



Tritanomaly

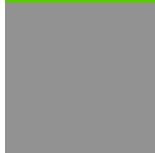
43.3834, 0.2926, 0.4303

Monochromacy



Original Color

44.8357, 0.3282, 0.5776



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.7877, 0.3348, 0.4526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8357, 0.3282, 0.5776 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(89, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 203, 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(89, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 203, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.8357, 0.3282, 0.5776 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(89, 203, 0) }
```

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

```
.border{ border-color:rgb(89, 203, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 203, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 203, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.8357, 0.3282, 0.5776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 203, 0) }
```

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

```
.background{ background-color: rgb(89, 203,  
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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