

Converting Colors

$Y_{xy}(45.1902, 0.3265, 0.5790)$

Have a look what the booklet for
Yxy(45.1902, 0.3265, 0.5790)
contains.

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Color

Yxy(45.2120, 0.3267, 0.5788)

Conversions

Conversions Part 1

Format	Color
Hex	57CC00
RGB	87, 204, 0
RGB Percent	34%, 80%, 0%
CMY	0.6590, 0.2000, 0.9999
CMYK	0.57, 0.00, 1.00, 0.20
HSL	94°, 100%, 40%
HSV	94°, 100%, 80%
XYZ	25.5196, 45.2120, 7.3817
YIQ	145.7610, -4.2480, -88.2480

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 117
Decimal	5753856
CIELab	73.03, -61.19, 71.95
CIELCh	73, 94.453, 130.380
Yxy	45.2120, 0.3267, 0.5788
Android (android.graphics.Color)	4283943936 (0xFF57CC00)
YUV	145.7610, -71.8602, -51.5334
Hunter-Lab	67.2399, -49.9235, 40.5589

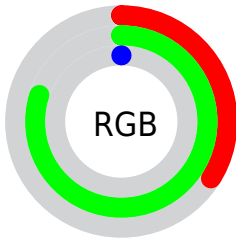
Details

The Yxy color **45.2120, 0.3267, 0.5788** 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 **8.1484, 0.2169, 0.0968**, and the grayscale version is **28.9392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5188, 0.3340, 0.5280**, and **21.4949, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.2133, 0.3267, 0.5788**, and if you desaturate by 10%, it is **45.8754, 0.3320, 0.5675**.

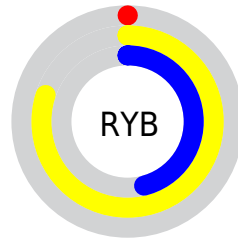
Distribution



Red (34%)

Green (80%)

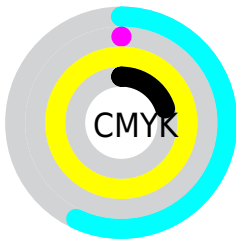
Blue (0%)



Red (0%)

Yellow (80%)

Blue (46%)

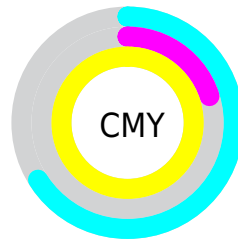


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (66%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2120, 0.3267, 0.5788 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 45.2120, 0.3267, 0.5788 by changing the saturation by 10% instead.


 45.2120, 0.3267,
0.5788

 45.2120, 0.3267,
0.5788


367.6315, 0.3322,
0.4478

 31.6244, 0.3201,
0.6100


 83.0384, 0.3324,
0.5315


 21.0748, 0.3086,
0.6478


 108.0461, 0.3334,
0.5135

 13.1787, 0.2916,
0.7001


 137.6293, 0.3338,
0.4982

 7.5517, 0.2542,
0.7458

 172.1724, 0.3338,
0.4851

 3.8095, 0.1967,
0.8033

 212.0597, 0.3336,
0.4739

 1.5676, 0.0000,
1.0000

 257.6758, 0.3332,

 0.3356, 0.0000,

0.4641

1.0000

309.4049, 0.3327,
0.4555

■ 0.0000, 0.0000,
0.0000

■ 45.2120, 0.3267,
0.5788

■ 45.2120, 0.3267,
0.5788

■ 45.2133, 0.3267,
0.5788

■ 45.8754, 0.3320,
0.5675

■ 46.6873, 0.3359,
0.5509

■ 47.6722, 0.3379,
0.5286

■ 48.8437, 0.3380,
0.5018

■ 50.2139, 0.3362,
0.4721

■ 51.7934, 0.3330,
0.4413

■ 53.5921, 0.3286,
0.4107

■ 55.6191, 0.3236,
0.3814

■ 57.8830, 0.3182,
0.3541

Harmonies

Analogous

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



45.2120, 0.4374, 0.5273



45.2120, 0.3267, 0.5788



45.2120, 0.2182, 0.5064

Triad

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



45.2120, 0.3267, 0.5788



45.2120, 0.1218, 0.1660



45.2120, 0.5078, 0.2788

Complementary

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



45.2120, 0.3267, 0.5788



8.1484, 0.2169, 0.0968

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.



45.2120, 0.3789, 0.2132



45.2120, 0.3267, 0.5788



45.2120, 0.1644, 0.1518

Square

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



45.2120, 0.3267, 0.5788



45.2120, 0.1136, 0.2228



45.2120, 0.2498, 0.1686



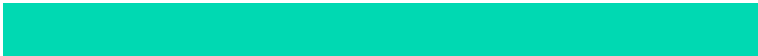
45.2120, 0.5627, 0.3536

Rectangle

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



45.2120, 0.3267, 0.5788



45.2120, 0.1623, 0.3985



45.2120, 0.2498, 0.1686



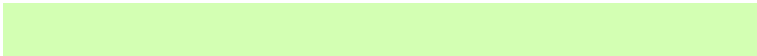
45.2120, 0.4698, 0.2554

Sweetspot

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



45.2139, 0.3267, 0.5788



88.6179, 0.3288, 0.4120



25.2409, 0.5221, 0.4236



18.6872, 0.3308, 0.4249



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.



45.2139, 0.3267, 0.5788



74.7498, 0.3258, 0.5795



43.2211, 0.2989, 0.5962



12.7667, 0.3179, 0.3525



28.5073, 0.3277, 0.5780



1.5151, 0.3434, 0.5655

Inverse Universe

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



8.1484, 0.2169, 0.0968



13.3621, 0.2157, 0.0962



16.5749, 0.3385, 0.1638



11.1564, 0.3071, 0.3057



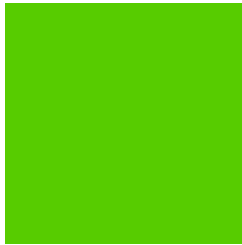
5.1833, 0.2182, 0.0976



0.3116, 0.2379, 0.1084

Previews

White Background



This preview shows how the Yxy color 45.2120, 0.3267, 0.5788 looks on a white background.

Color Contrast Check

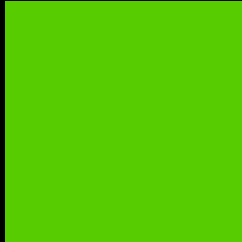
Large Text (above 18pt) WCAG AA × Fail

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 45.2120, 0.3267, 0.5788 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 45.2120, 0.3267, 0.5788

Background



This preview shows how black text looks on a background with the Yxy color 45.2120, 0.3267, 0.5788.



This preview shows how white text looks on a background with the Yxy color 45.2120, 0.3267, 0.5788.

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

45.2120, 0.3267, 0.5788

Protanopia

44.2583, 0.4411, 0.4880

Deuteranopia

44.3904, 0.4622, 0.4525



Tritanopia

45.0862, 0.2519, 0.3077

Trichromacy



Original Color

45.2120, 0.3267, 0.5788



Protanomaly

43.0142, 0.3941, 0.5253



Deuteranomaly

42.5337, 0.4076, 0.5043



Tritanomaly

43.7677, 0.2920, 0.4317

Monochromacy



Original Color

45.2120, 0.3267, 0.5788



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 45.2120, 0.3267, 0.5788 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(87, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.2120, 0.3267, 0.5788 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(87, 204, 0) }
```

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

```
.border{ border-color:rgb(87, 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(87, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.2120, 0.3267, 0.5788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 204, 0) }
```

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

```
.background{ background-color: rgb(87, 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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