

Converting Colors

$Y_{xy}(45.5545, 0.3308, 0.5755)$

Have a look what the booklet for
Yxy(45.5545, 0.3308, 0.5755)
contains.

Yxy(45.5654, 0.3310, 0.5754)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.5654, 0.3310, 0.5754)

Conversions

Conversions Part 1

Format	Color
Hex	5ECC00
RGB	94, 204, 0
RGB Percent	37%, 80%, 0%
CMY	0.6312, 0.2000, 1.0000
CMYK	0.54, 0.00, 1.00, 0.20
HSL	92°, 100%, 40%
HSV	92°, 100%, 80%
XYZ	26.2116, 45.5654, 7.4121
YIQ	147.8540, -0.0760, -86.7640

Conversions

Conversions Part 2

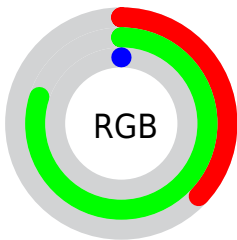
Format	Color
RYB	0, 204, 110
Decimal	6212608
CIELab	73.26, -59.30, 72.24
CIElCh	73, 93.460, 129.382
Yxy	45.5654, 0.3310, 0.5754
Android (android.graphics.Color)	4284402688 (0xFF5ECC00)
YUV	147.8540, -72.8920, -47.2300
Hunter-Lab	67.5021, -48.8159, 40.7411

Details

The Yxy color **45.5654, 0.3310, 0.5754** 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 **7.6723, 0.2095, 0.0928**, and the grayscale version is **29.8650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0978, 0.3376, 0.5257**, and **21.5594, 0.3018, 0.5985** is the 20% darker color. If you saturate the color by 10%, you get **45.5674, 0.3310, 0.5754**, and if you desaturate by 10%, it is **46.2430, 0.3362, 0.5643**.

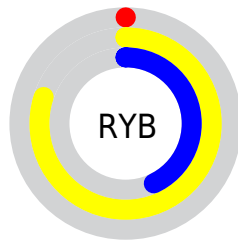
Distribution



Red (37%)

Green (80%)

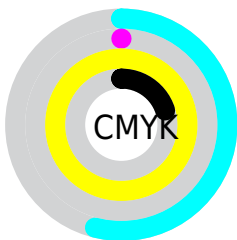
Blue (0%)



Red (0%)

Yellow (80%)

Blue (43%)

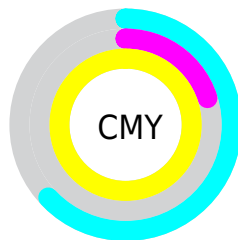


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (63%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5654, 0.3310, 0.5754 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 45.5654, 0.3310, 0.5754 by changing the saturation by 10% instead.


 45.5654, 0.3310,
0.5754

 45.5654, 0.3310,
0.5754


369.0586, 0.3342,
0.4468


 31.9030, 0.3250,
0.6059


 83.5682, 0.3359,
0.5291

 21.2874, 0.3143,
0.6426


 108.6774, 0.3365,
0.5114


 13.3343, 0.2983,
0.6932


 138.3710, 0.3367,
0.4964

 7.6591, 0.2625,
0.7375

 173.0334, 0.3364,
0.4836

 3.8776, 0.2067,
0.7933

 213.0489, 0.3360,
0.4725

 1.6053, 0.0000,
1.0000

 258.8021, 0.3355,

 0.3612, 0.0000,

0.4628

1.0000

310.6772, 0.3349,
0.4544

■ 0.0000, 0.0000,
0.0000

■ 45.5654, 0.3310,
0.5754

■ 45.5654, 0.3310,
0.5754

■ 45.5674, 0.3310,
0.5754

■ 46.2430, 0.3362,
0.5643

■ 47.0595, 0.3400,
0.5480

■ 48.0389, 0.3417,
0.5261

■ 49.1941, 0.3413,
0.4999

■ 50.5364, 0.3390,
0.4708

■ 52.0760, 0.3353,
0.4405

■ 53.8221, 0.3304,
0.4103

■ 55.7833, 0.3248,
0.3813

■ 57.9676, 0.3188,
0.3540

Harmonies

Analogous

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



45.5654, 0.4403, 0.5230



45.5654, 0.3310, 0.5754



45.5654, 0.2228, 0.5083

Triad

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



45.5654, 0.3310, 0.5754



45.5654, 0.1226, 0.1687



45.5654, 0.5020, 0.2772

Complementary

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



45.5654, 0.3310, 0.5754



7.6723, 0.2095, 0.0928

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.



45.5654, 0.3735, 0.2126



45.5654, 0.3310, 0.5754



45.5654, 0.1638, 0.1534

Square

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



45.5654, 0.3310, 0.5754



45.5654, 0.1157, 0.2271



45.5654, 0.2470, 0.1690



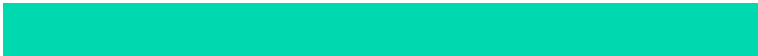
45.5654, 0.5597, 0.3514

Rectangle

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



45.5654, 0.3310, 0.5754



45.5654, 0.1663, 0.4032



45.5654, 0.2470, 0.1690



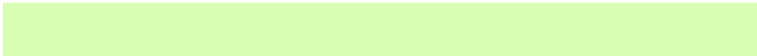
45.5654, 0.4637, 0.2541

Sweetspot

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



45.5674, 0.3310, 0.5754



89.0151, 0.3306, 0.4115



23.7320, 0.5319, 0.4159



18.7806, 0.3328, 0.4243



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.



45.5674, 0.3310, 0.5754



75.3399, 0.3301, 0.5761



43.2007, 0.2995, 0.5981



12.7861, 0.3184, 0.3525



28.7348, 0.3320, 0.5746



1.5273, 0.3475, 0.5623

Inverse Universe

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



7.6723, 0.2095, 0.0928



12.5768, 0.2083, 0.0921



16.8778, 0.3295, 0.1589



11.1368, 0.3065, 0.3056



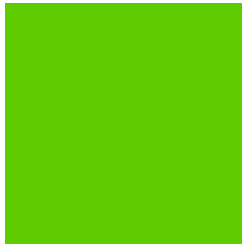
4.8850, 0.2109, 0.0936



0.2968, 0.2315, 0.1049

Previews

White Background



This preview shows how the Yxy color 45.5654, 0.3310, 0.5754 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 45.5654, 0.3310, 0.5754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

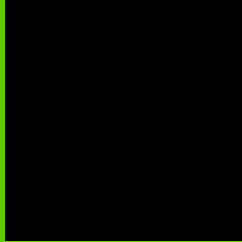
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5654, 0.3310, 0.5754

Background



This preview shows how black text looks on a background with the Yxy color 45.5654, 0.3310, 0.5754.



This preview shows how white text looks on a background with the Yxy color 45.5654, 0.3310, 0.5754.

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

45.5654, 0.3310, 0.5754

Protanopia

44.7968, 0.4410, 0.4880

Deuteranopia

44.5507, 0.4631, 0.4519



Tritanopia

45.4456, 0.2548, 0.3079

Trichromacy



Original Color

45.5654, 0.3310, 0.5754



Protanomaly

43.7530, 0.3961, 0.5237



Deuteranomaly

42.8821, 0.4105, 0.5021



Tritanomaly

44.0867, 0.2953, 0.4307

Monochromacy



Original Color

45.5654, 0.3310, 0.5754



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.4026, 0.3366, 0.4511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5654, 0.3310, 0.5754 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(94, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.5654, 0.3310, 0.5754 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(94, 204, 0) }
```

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

```
.border{ border-color:rgb(94, 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(94, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.5654, 0.3310, 0.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 204, 0) }
```

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

```
.background{ background-color: rgb(94, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor