

Converting Colors

$Y_{xy}(45.6700, 0.3165, 0.5325)$

Have a look what the booklet for
Yxy(45.6700, 0.3165, 0.5325)
contains.

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Color

Yxy(45.5212, 0.3161, 0.5320)

Conversions

Conversions Part 1

Format	Color
Hex	5ECB45
RGB	94, 203, 69
RGB Percent	37%, 80%, 27%
CMY	0.6314, 0.2039, 0.7292
CMYK	0.54, 0.00, 0.66, 0.20
HSL	109°, 56%, 53%
HSV	109°, 66%, 80%
XYZ	27.0475, 45.5212, 12.9975
YIQ	155.1330, -21.9500, -64.7820

Conversions

Conversions Part 2

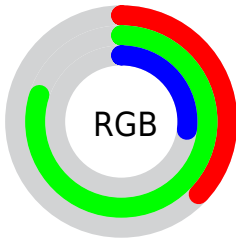
Format	Color
RYB	69, 203, 178
Decimal	6212421
CIELab	73.23, -55.75, 55.38
CIELCh	73, 78.579, 135.194
Yxy	45.5212, 0.3161, 0.5320
Android (android.graphics.Color)	4284402501 (0xFF5ECB45)
YUV	155.1330, -42.4636, -53.6136
Hunter-Lab	67.4694, -46.5135, 35.8068

Details

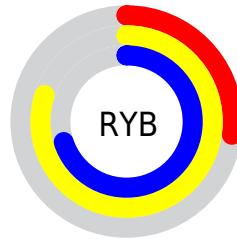
The Yxy color **45.5212, 0.3161, 0.5320** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **18.0434, 0.2905, 0.1676**, and the grayscale version is **33.0425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7224, 0.3208, 0.4874**, and **21.3414, 0.3044, 0.5958** is the 20% darker color. If you saturate the color by 10%, you get **44.5307, 0.3138, 0.5588**, and if you desaturate by 10%, it is **46.7886, 0.3175, 0.5007**.

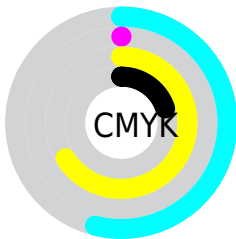
Distribution



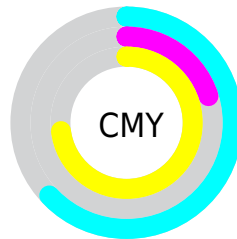
- Red (37%)
- Green (80%)
- Blue (27%)



- Red (27%)
- Yellow (80%)
- Blue (70%)



- Cyan (54%)
- Magenta (0%)
- Yellow (66%)
- Black (20%)





- Cyan (63%)
- Magenta (20%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5212, 0.3161, 0.5320 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 45.5212, 0.3161, 0.5320 by changing the saturation by 10% instead.


 45.5212, 0.3161,
0.5320


 45.5212, 0.3161,
0.5320


368.8804, 0.3215,
0.4235

 31.8682, 0.3118,
0.5600


 83.5020, 0.3201,
0.4916


 21.2608, 0.3044,
0.5956


 108.5985, 0.3210,
0.4766

 13.3148, 0.2913,
0.6417


 138.2783, 0.3215,
0.4641

 7.6457, 0.2724,
0.7150

 172.9258, 0.3217,
0.4535

 3.8691, 0.2226,
0.7774

 212.9253, 0.3218,
0.4444

 1.6006, 0.0193,
0.9807

258.6613, 0.3217,

 0.3580, 0.0000,

0.4365

1.0000

310.5182, 0.3217,
0.4296

■ 0.0000, 0.0000,
0.0000

■ 45.5212, 0.3161,
0.5320

■ 45.5212, 0.3161,
0.5320

■ 44.5307, 0.3138,
0.5588

■ 46.7886, 0.3175,
0.5007

■ 43.7901, 0.3107,
0.5790

■ 48.3461, 0.3180,
0.4671

■ 43.2764, 0.3071,
0.5917

■ 50.2127, 0.3177,
0.4334

■ 43.1218, 0.3058,
0.5954

■ 52.4042, 0.3167,
0.4010

■ 54.9353, 0.3154,
0.3710

■ 57.8197, 0.3138,
0.3438

■ 61.0705, 0.3120,
0.3197

■ 64.7000, 0.3102,
0.2984

■ 68.7200, 0.3083,
0.2798

Harmonies

Analogous

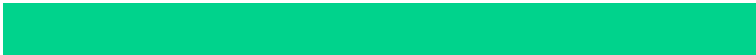
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5212, 0.4137, 0.5134



45.5212, 0.3161, 0.5320



45.5212, 0.2226, 0.4531

Triad

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



45.5212, 0.3161, 0.5320



45.5212, 0.1488, 0.1839



45.5212, 0.4885, 0.2996

Complementary

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



45.5212, 0.3161, 0.5320



18.0434, 0.2905, 0.1676

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.



45.5212, 0.3881, 0.2378



45.5212, 0.3161, 0.5320



45.5212, 0.1938, 0.1744

Square

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



45.5212, 0.3161, 0.5320



45.5212, 0.1371, 0.2299



45.5212, 0.2762, 0.1936



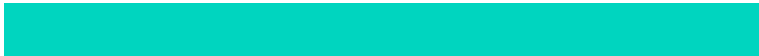
45.5212, 0.5260, 0.3697

Rectangle

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



45.5212, 0.3161, 0.5320



45.5212, 0.1761, 0.3667



45.5212, 0.2762, 0.1936



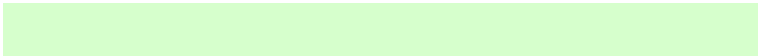
45.5212, 0.4600, 0.2777

Sweetspot

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



45.5231, 0.3161, 0.5320



90.1011, 0.3160, 0.3835



44.2604, 0.4231, 0.4538



19.0295, 0.3164, 0.3921



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.



45.5231, 0.3161, 0.5320



74.0107, 0.3126, 0.5679



45.0889, 0.2843, 0.4822



12.6358, 0.3143, 0.3528



27.4711, 0.3065, 0.5949



1.4483, 0.3191, 0.5848

Inverse Universe

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



18.0434, 0.2905, 0.1676



24.6395, 0.2837, 0.1453



19.5961, 0.3725, 0.2189



11.2940, 0.3108, 0.3060



7.8838, 0.2745, 0.1286



0.4348, 0.2841, 0.1339

Previews

White Background



This preview shows how the Yxy color 45.5212, 0.3161, 0.5320 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 45.5212, 0.3161, 0.5320 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 45.5212, 0.3161, 0.5320

Background



This preview shows how black text looks on a background with the Yxy color 45.5212, 0.3161, 0.5320.



This preview shows how white text looks on a background with the Yxy color 45.5212, 0.3161, 0.5320.

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

45.5212, 0.3161, 0.5320

Protanopia

44.8674, 0.4218, 0.4638

Deuteranopia

44.7008, 0.4382, 0.4292



Tritanopia

45.2996, 0.2536, 0.3078

Trichromacy



Original Color

45.5212, 0.3161, 0.5320



Protanomaly

43.9252, 0.3768, 0.4921



Deuteranomaly

43.0917, 0.3878, 0.4680



Tritanomaly

44.8100, 0.2782, 0.3887

Monochromacy



Original Color

45.5212, 0.3161, 0.5320



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.9468, 0.3170, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5212, 0.3161, 0.5320 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, 203, 69)` looks like.

```
.text, #text, p{  
    color:rgb(94, 203, 69)  
}
```

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, 203, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 203, 69) }
```

Border

The CSS property to change the border of an element to Yxy 45.5212, 0.3161, 0.5320 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, 203, 69) }
```

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

```
.border{ border-color:rgb(94, 203, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 203, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 203, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 203, 69);  
box-shadow:4px 4px 4px 4px rgb(94, 203,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5212, 0.3161, 0.5320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 203, 69) }
```

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

```
.background{ background-color: rgb(94, 203,  
69) }
```

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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