

Converting Colors

$Y_{xy}(45.0055, 0.3222, 0.5128)$

Have a look what the booklet for
Yxy(45.0055, 0.3222, 0.5128)
contains.

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Color

Yxy(45.1098, 0.3225, 0.5134)

Conversions

Conversions Part 1

Format	Color
Hex	6DC84E
RGB	109, 200, 78
RGB Percent	43%, 78%, 31%
CMY	0.5725, 0.2157, 0.6942
CMYK	0.45, 0.00, 0.61, 0.22
HSL	105°, 53%, 55%
HSV	105°, 61%, 78%
XYZ	28.3364, 45.1098, 14.4186
YIQ	158.8830, -15.0740, -57.2340

Conversions

Conversions Part 2

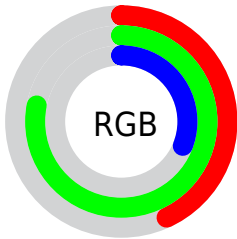
Format	Color
RYB	78, 200, 169
Decimal	7194702
CIELab	72.96, -49.45, 51.44
CIELCh	73, 71.355, 133.865
Yxy	45.1098, 0.3225, 0.5134
Android (android.graphics.Color)	4285384782 (0xFF6DC84E)
YUV	158.8830, -39.8753, -43.7474
Hunter-Lab	67.1638, -42.2276, 34.2864

Details

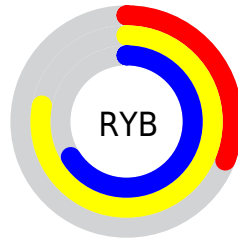
The Yxy color **45.1098, 0.3225, 0.5134** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **18.0508, 0.2834, 0.1733**, and the grayscale version is **34.8068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2657, 0.3249, 0.4750**, and **20.9579, 0.3147, 0.5721** is the 20% darker color. If you saturate the color by 10%, you get **44.0000, 0.3209, 0.5421**, and if you desaturate by 10%, it is **46.4712, 0.3229, 0.4815**.

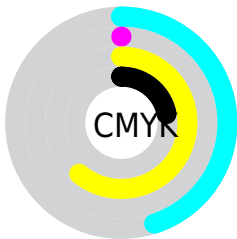
Distribution



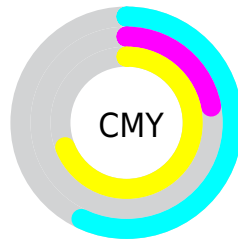
- Red (43%)
- Green (78%)
- Blue (31%)



- Red (31%)
- Yellow (78%)
- Blue (66%)



- Cyan (45%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)





- Cyan (57%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1098, 0.3225, 0.5134 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 45.1098, 0.3225, 0.5134 by changing the saturation by 10% instead.


 45.1098, 0.3225,
0.5134

 45.1098, 0.3225,
0.5134


367.2181, 0.3234,
0.4151

 31.5439, 0.3198,
0.5389


 82.8852, 0.3245,
0.4767


 21.0134, 0.3148,
0.5716


 107.8634, 0.3248,
0.4632

 13.1338, 0.3051,
0.6143


 137.4146, 0.3247,
0.4518

 7.5207, 0.2889,
0.6771

 171.9231, 0.3246,
0.4422

 3.7898, 0.2503,
0.7497

 211.7733, 0.3243,
0.4340

 1.5567, 0.0916,
0.9084

257.3496, 0.3241,

 0.3281, 0.0000,

0.4268

1.0000

309.0364, 0.3237,
0.4206

■ 0.0000, 0.0000,
0.0000

■ 45.1098, 0.3225,
0.5134

■ 45.1098, 0.3225,
0.5134

■ 44.0000, 0.3209,
0.5421

■ 46.4712, 0.3229,
0.4815

■ 43.1198, 0.3180,
0.5656

■ 48.0930, 0.3221,
0.4485

■ 42.4525, 0.3140,
0.5823

■ 49.9908, 0.3206,
0.4160

■ 42.0099, 0.3102,
0.5919

■ 52.1771, 0.3184,
0.3853

■ 54.6635, 0.3158,
0.3570

■ 57.4611, 0.3130,
0.3314

■ 60.5804, 0.3102,
0.3087

■ 64.0314, 0.3073,
0.2886

■ 67.6293, 0.3066,
0.2737

Harmonies

Analogous

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



45.1098, 0.4127, 0.4979



45.1098, 0.3225, 0.5134



45.1098, 0.2345, 0.4454

Triad

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



45.1098, 0.3225, 0.5134



45.1098, 0.1587, 0.1958



45.1098, 0.4700, 0.3005

Complementary

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



45.1098, 0.3225, 0.5134



18.0508, 0.2834, 0.1733

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.



45.1098, 0.3774, 0.2424



45.1098, 0.3225, 0.5134



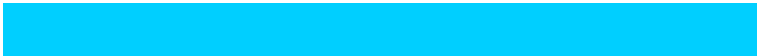
45.1098, 0.2001, 0.1847

Square

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



45.1098, 0.3225, 0.5134



45.1098, 0.1492, 0.2419



45.1098, 0.2757, 0.2016



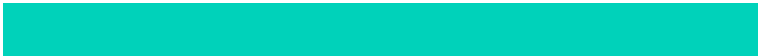
45.1098, 0.5088, 0.3669

Rectangle

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



45.1098, 0.3225, 0.5134



45.1098, 0.1896, 0.3693



45.1098, 0.2757, 0.2016



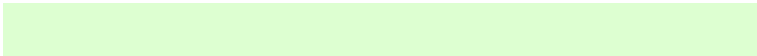
45.1098, 0.4433, 0.2798

Sweetspot

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



45.1117, 0.3225, 0.5134



91.4643, 0.3177, 0.3772



40.6383, 0.4217, 0.4383



19.3176, 0.3184, 0.3859



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.



45.1117, 0.3225, 0.5134



75.6727, 0.3201, 0.5499



43.9795, 0.2895, 0.4819



12.0160, 0.3153, 0.3526



26.7470, 0.3110, 0.5913



1.3022, 0.3268, 0.5787

Inverse Universe

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



18.0508, 0.2834, 0.1733



24.8208, 0.2745, 0.1478



20.6877, 0.3550, 0.2163



10.6757, 0.3098, 0.3059



6.7680, 0.2579, 0.1194



0.3535, 0.2716, 0.1270

Previews

White Background



This preview shows how the Yxy color 45.1098, 0.3225, 0.5134 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 45.1098, 0.3225, 0.5134 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 45.1098, 0.3225, 0.5134

Background



This preview shows how black text looks on a background with the Yxy color 45.1098, 0.3225, 0.5134.



This preview shows how white text looks on a background with the Yxy color 45.1098, 0.3225, 0.5134.

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

45.1098, 0.3225, 0.5134

Protanopia

44.3144, 0.4152, 0.4557

Deuteranopia

44.1241, 0.4322, 0.4226



Tritanopia

44.6777, 0.2602, 0.3066

Trichromacy



Original Color

45.1098, 0.3225, 0.5134



Protanomaly

43.7192, 0.3779, 0.4787



Deuteranomaly

42.8663, 0.3879, 0.4555



Tritanomaly

44.3788, 0.2843, 0.3802

Monochromacy



Original Color

45.1098, 0.3225, 0.5134



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.5465, 0.3191, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1098, 0.3225, 0.5134 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(109, 200, 78)` looks like.

```
.text, #text, p{  
    color:rgb(109, 200, 78)  
}
```

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(109, 200, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 200, 78) }
```

Border

The CSS property to change the border of an element to Yxy 45.1098, 0.3225, 0.5134 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(109, 200, 78) }
```

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

```
.border{ border-color:rgb(109, 200, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 200, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 200, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 200, 78);  
box-shadow:4px 4px 4px 4px rgb(109, 200,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1098, 0.3225, 0.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 200, 78) }
```

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

```
.background{ background-color: rgb(109,  
200, 78) }
```

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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