

Converting Colors

$Y_{xy}(45.4146, 0.2836, 0.4625)$

Have a look what the booklet for
Yxy(45.4146, 0.2836, 0.4625)
contains.

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Color

Yxy(45.3026, 0.2834, 0.4615)

Conversions

Conversions Part 1	
Format	Color
Hex	50CA78
RGB	80, 202, 120
RGB Percent	31%, 79%, 47%
CMY	0.6862, 0.2078, 0.5295
CMYK	0.60, 0.00, 0.41, 0.21
HSL	140°, 54%, 55%
HSV	140°, 60%, 79%
XYZ	27.8196, 45.3026, 25.0416
YIQ	156.1740, -46.3900, -51.3660

Conversions

Conversions Part 2

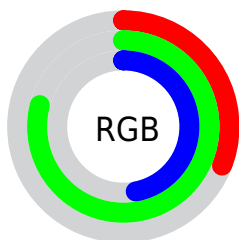
Format	Color
RYB	80, 172, 202
Decimal	5294712
CIELab	73.09, -52.03, 31.07
CIELCh	73, 60.604, 149.160
Yxy	45.3026, 0.2834, 0.4615
Android (android.graphics.Color)	4283484792 (0xFF50CA78)
YUV	156.1740, -17.8338, -66.8046
Hunter-Lab	67.3072, -44.0094, 25.0563

Details

The Yxy color **45.3026, 0.2834, 0.4615** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **20.9083, 0.3704, 0.2295**, and the grayscale version is **33.4273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1126, 0.2904, 0.4298**, and **21.3096, 0.2738, 0.5056** is the 20% darker color. If you saturate the color by 10%, you get **44.2464, 0.2820, 0.4874**, and if you desaturate by 10%, it is **46.6736, 0.2863, 0.4356**.

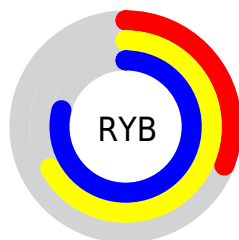
Distribution



Red (31%)

Green (79%)

Blue (47%)



Red (31%)

Yellow (67%)

Blue (79%)

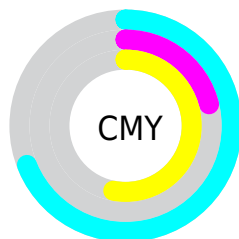


Cyan (60%)

Magenta (0%)

Yellow (41%)

Black (21%)



Cyan (69%)


Magenta (21%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3026, 0.2834, 0.4615 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 45.3026, 0.2834, 0.4615 by changing the saturation by 10% instead.


 45.3026, 0.2834,
0.4615


 45.3026, 0.2834,
0.4615


367.9977, 0.3008,
0.3902


 31.6958, 0.2781,
0.4809


 83.1743, 0.2904,
0.4344


 21.1293, 0.2706,
0.5066


 108.2080, 0.2928,
0.4246

 13.2185, 0.2596,
0.5422


 137.8196, 0.2948,
0.4164

 7.5792, 0.2421,
0.5940

 172.3933, 0.2964,
0.4095

 3.8269, 0.2130,
0.6786

212.3135, 0.2978,
0.4036

 1.5772, 0.0636,
0.9364


257.9648, 0.2989,


 0.3422, 0.0000,


0.3985


1.0000


309.7314, 0.2999,
0.3941


 0.0000, 0.0000,
0.0000


 45.3026, 0.2834,
0.4615


 45.3026, 0.2834,
0.4615


 44.2464, 0.2820,
0.4874


 46.6736, 0.2863,
0.4356


 43.4729, 0.2822,
0.5123

 48.3771, 0.2904,
0.4107


 42.9529, 0.2842,
0.5349


 50.4360, 0.2953,
0.3874


 42.6375, 0.2872,
0.5538


 52.8696, 0.3008,
0.3660

 55.6957, 0.3066,
0.3468

 58.9310, 0.3125,
0.3296

 62.5912, 0.3183,
0.3145

 66.6911, 0.3239,
0.3013

 69.9268, 0.3242,
0.2891

Harmonies

Analogous

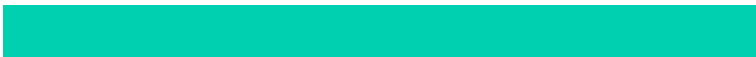
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3026, 0.3639, 0.4868



45.3026, 0.2834, 0.4615



45.3026, 0.2152, 0.3791

Triad

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



45.3026, 0.2834, 0.4615



45.3026, 0.1928, 0.2042



45.3026, 0.4708, 0.3363

Complementary

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



45.3026, 0.2834, 0.4615



20.9083, 0.3704, 0.2295

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.



45.3026, 0.4117, 0.2791



45.3026, 0.2834, 0.4615



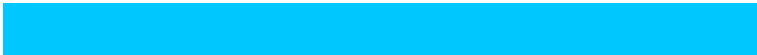
45.3026, 0.2456, 0.2069

Square

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



45.3026, 0.2834, 0.4615



45.3026, 0.1696, 0.2299



45.3026, 0.3248, 0.2334



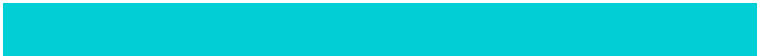
45.3026, 0.4772, 0.3976

Rectangle

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



45.3026, 0.2834, 0.4615



45.3026, 0.1856, 0.3170



45.3026, 0.3248, 0.2334



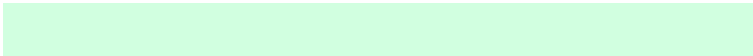
45.3026, 0.4563, 0.3164

Sweetspot

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



45.3045, 0.2834, 0.4615



90.4791, 0.3021, 0.3617



50.6481, 0.3638, 0.4880



19.0827, 0.3004, 0.3677



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.



45.3045, 0.2834, 0.4615



74.5283, 0.2819, 0.4940



47.2294, 0.2505, 0.3626



12.5966, 0.3072, 0.3450



27.4508, 0.2865, 0.5514



1.4301, 0.2751, 0.5105

Inverse Universe

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



20.9083, 0.3704, 0.2295



29.7511, 0.3878, 0.2162



19.2651, 0.4651, 0.3023



11.3388, 0.3187, 0.3135



9.2377, 0.4241, 0.2110



0.4902, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 45.3026, 0.2834, 0.4615 looks on a white background.

Color Contrast Check

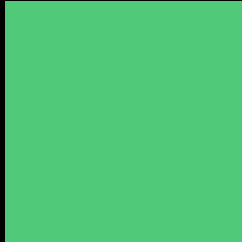
Large Text (above 18pt) WCAG AA × Fail

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 45.3026, 0.2834, 0.4615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

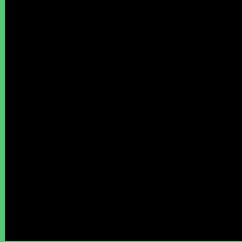
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3026, 0.2834, 0.4615

Background



This preview shows how black text looks on a background with the Yxy color 45.3026, 0.2834, 0.4615.



This preview shows how white text looks on a background with the Yxy color 45.3026, 0.2834, 0.4615.

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

45.3026, 0.2834, 0.4615

Protanopia

44.4578, 0.3837, 0.4157

Deuteranopia

44.5070, 0.3900, 0.3835



Tritanopia

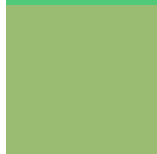
45.2075, 0.2445, 0.3075

Trichromacy



Original Color

45.3026, 0.2834, 0.4615



Protanomaly

43.5279, 0.3394, 0.4353



Deuteranomaly

42.6977, 0.3423, 0.4121



Tritanomaly

45.0618, 0.2586, 0.3607

Monochromacy



Original Color

45.3026, 0.2834, 0.4615



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.4595, 0.2977, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3026, 0.2834, 0.4615 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(80, 202, 120) looks like.

```
.text, #text, p{  
    color:rgb(80, 202, 120)  
}
```

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(80, 202, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 202, 120) }
```

Border

The CSS property to change the border of an element to Yxy 45.3026, 0.2834, 0.4615 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(80, 202, 120) }
```

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

```
.border{ border-color:rgb(80, 202, 120) }
```

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

Here you see how a box with a 4 pixel rgb(80, 202, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 202, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 202, 120);  
box-shadow:4px 4px 4px 4px rgb(80, 202,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3026, 0.2834, 0.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 202, 120) }
```

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

```
.background{ background-color: rgb(80, 202,  
120) }
```

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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