

Converting Colors

$Yxy(65.4199, 0.3045, 0.5047)$

Have a look what the booklet for
Yxy(65.4199, 0.3045, 0.5047)
contains.

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Color

Yxy(65.4199, 0.3045, 0.5047)

Conversions

Conversions Part 1

Format	Color
Hex	6CEE6C
RGB	108, 238, 108
RGB Percent	42%, 93%, 42%
CMY	0.5763, 0.0667, 0.5765
CMYK	0.55, 0.00, 0.55, 0.07
HSL	120°, 79%, 68%
HSV	120°, 55%, 93%
XYZ	39.4697, 65.4199, 24.7318
YIQ	184.3100, -35.7500, -67.9900

Conversions

Conversions Part 2

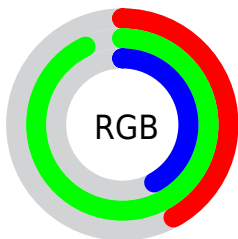
Format	Color
RYB	108, 238, 238
Decimal	7138924
CIELab	84.70, -61.02, 51.59
CIELCh	85, 79.906, 139.786
Yxy	65.4199, 0.3045, 0.5047
Android (android.graphics.Color)	4285329004 (0xFF6CEE6C)
YUV	184.3100, -37.6208, -66.9239
Hunter-Lab	80.8826, -54.4387, 38.4885

Details

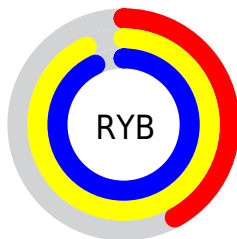
The Yxy color **65.4199, 0.3045, 0.5047** is a dark color, and the websafe version is hex **66FF66**. A complement of this color would be **35.0643, 0.3187, 0.1995**, and the grayscale version is **48.3479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5637, 0.3115, 0.4386**, and **33.7169, 0.2953, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **63.6888, 0.3029, 0.5380**, and if you desaturate by 10%, it is **67.7017, 0.3062, 0.4688**.

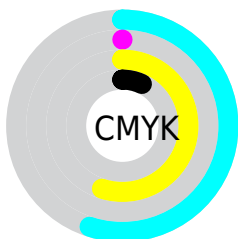
Distribution



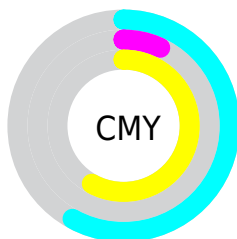
- Red (42%)
- Green (93%)
- Blue (42%)



- Red (42%)
- Yellow (93%)
- Blue (93%)



- Cyan (55%)
- Magenta (0%)
- Yellow (55%)
- Black (7%)





- Cyan (58%)
- Magenta (7%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4199, 0.3045, 0.5047 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 65.4199, 0.3045, 0.5047 by changing the saturation by 10% instead.


 65.4199, 0.3045,
0.5047

 65.4199, 0.3045,
0.5047


444.2994, 0.3134,
0.4155

 47.8016, 0.3008,
0.5266


 112.6533, 0.3088,
0.4724


 33.6698, 0.2954,
0.5543


 143.0373, 0.3101,
0.4602

 22.6401, 0.2868,
0.5899


 178.4453, 0.3111,
0.4499

 14.3280, 0.2729,
0.6368

 219.2617, 0.3118,
0.4410

 8.3491, 0.2498,
0.7018

265.8709, 0.3123,
0.4334

 4.3191, 0.2086,
0.7914

318.6573, 0.3128,

 1.8536, 0.0299,

0.4267

0.9701

378.0053, 0.3131,
0.4208

■ 0.5203, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4199, 0.3045,
0.5047

■ 65.4199, 0.3045,
0.5047

■ 63.6888, 0.3029,
0.5380

■ 67.7017, 0.3062,
0.4688

■ 62.4546, 0.3016,
0.5658


■ 70.5663, 0.3079,
0.4329


■ 61.6672, 0.3007,
0.5858

■ 74.0531, 0.3094,
0.3990


■ 61.2620, 0.3002,
0.5968

■ 78.1957, 0.3109,
0.3680

 61.1494, 0.3000,
0.6000

 83.0251, 0.3122,
0.3405

 88.5707, 0.3133,
0.3165

 89.6288, 0.3135,
0.3127

Harmonies

Analogous

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



65.4199, 0.3954, 0.5045



65.4199, 0.3045, 0.5047



65.4199, 0.2206, 0.4228

Triad

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



65.4199, 0.3045, 0.5047



65.4199, 0.1655, 0.1923



65.4199, 0.4812, 0.3135

Complementary

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



65.4199, 0.3045, 0.5047



35.0643, 0.3187, 0.1995

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.



65.4199, 0.3971, 0.2535



65.4199, 0.3045, 0.5047



65.4199, 0.2132, 0.1871

Square

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



65.4199, 0.3045, 0.5047



65.4199, 0.1499, 0.2305



65.4199, 0.2946, 0.2089



65.4199, 0.5065, 0.3805

Rectangle

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



65.4199, 0.3045, 0.5047



65.4199, 0.1806, 0.3465



65.4199, 0.2946, 0.2089



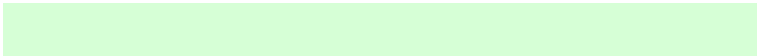
65.4199, 0.4583, 0.2924

Sweetspot

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



65.4226, 0.3045, 0.5047



90.7142, 0.3107, 0.3722



79.1542, 0.3927, 0.4577



19.1935, 0.3104, 0.3785



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.



65.4226, 0.3045, 0.5047



74.2185, 0.3027, 0.5430



67.2703, 0.2748, 0.4192



17.6567, 0.3116, 0.3534



34.1155, 0.3000, 0.6000



2.8382, 0.3000, 0.6000

Inverse Universe

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



35.0643, 0.3187, 0.1995



35.2342, 0.3196, 0.1798



32.0025, 0.3881, 0.2567



16.0311, 0.3138, 0.3057



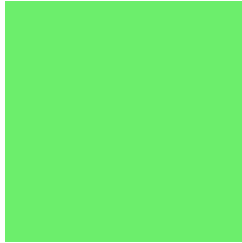
13.5752, 0.3208, 0.1541



1.1294, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 65.4199, 0.3045, 0.5047 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 65.4199, 0.3045, 0.5047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

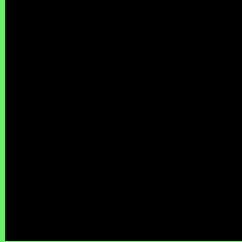
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

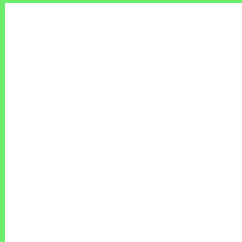
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4199, 0.3045, 0.5047

Background



This preview shows how black text looks on a background with the Yxy color 65.4199, 0.3045, 0.5047.



This preview shows how white text looks on a background with the Yxy color 65.4199, 0.3045, 0.5047.

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

65.4199, 0.3045, 0.5047

Protanopia

64.3177, 0.4081, 0.4456

Deuteranopia

63.9490, 0.4181, 0.4092



Tritanopia

65.1254, 0.2507, 0.3071

Trichromacy



Original Color

65.4199, 0.3045, 0.5047



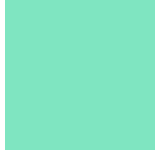
Protanomaly

62.8371, 0.3645, 0.4700



Deuteranomaly

61.9106, 0.3703, 0.4447



Tritanomaly

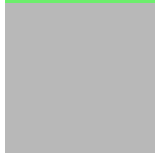
64.4009, 0.2710, 0.3761

Monochromacy



Original Color

65.4199, 0.3045, 0.5047



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.6540, 0.3096, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4199, 0.3045, 0.5047 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(108, 238, 108)` looks like.

```
.text, #text, p{  
    color:rgb(108, 238, 108)  
}
```

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(108, 238, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 238, 108) }
```

Border

The CSS property to change the border of an element to Yxy 65.4199, 0.3045, 0.5047 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(108, 238, 108) }
```

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

```
.border{ border-color:rgb(108, 238, 108) }
```

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

Here you see how a box with a 4 pixel rgb(108, 238, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 238, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 238, 108);  
box-shadow:4px 4px 4px 4px rgb(108, 238,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4199, 0.3045, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 238, 108) }
```

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

```
.background{ background-color: rgb(108,  
238, 108) }
```

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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