

Converting Colors

Yxy(68.6302, 0.2768, 0.4637)

Have a look what the booklet for
Yxy(68.6302, 0.2768, 0.4637)
contains.

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Color

Yxy(68.4822, 0.2768, 0.4640)

Conversions

Conversions Part 1

Format	Color
Hex	50F492
RGB	80, 244, 146
RGB Percent	31%, 96%, 57%
CMY	0.6859, 0.0431, 0.4275
CMYK	0.67, 0.00, 0.40, 0.04
HSL	144°, 88%, 64%
HSV	144°, 67%, 96%
XYZ	40.8532, 68.4822, 38.2556
YIQ	183.7920, -66.2860, -65.2460

Conversions

Conversions Part 2

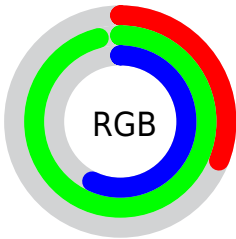
Format	Color
R_{YB}	80, 197, 244
Decimal	5305490
CIE _{Lab}	86.25, -63.38, 35.16
CIE _{LCh}	86, 72.480, 150.980
Yxy	68.4822, 0.2768, 0.4640
Android (android.graphics.Color)	4283495570 (0xFF50F492)
YUV	183.7920, -18.6315, -91.0256
Hunter-Lab	82.7540, -56.6993, 30.5192

Details

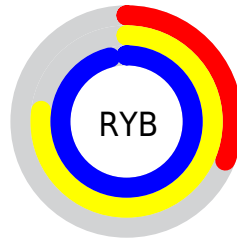
The Yxy color **68.4822, 0.2768, 0.4640** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **28.2043, 0.3969, 0.2321**, and the grayscale version is **47.9608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8480, 0.2796, 0.3935**, and **35.9260, 0.2719, 0.4990** is the 20% darker color. If you saturate the color by 10%, you get **67.1817, 0.2763, 0.4874**, and if you desaturate by 10%, it is **70.2317, 0.2791, 0.4404**.

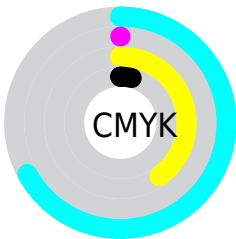
Distribution



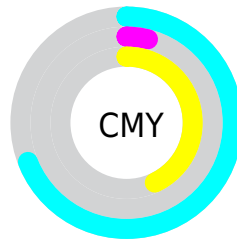
- Red (31%)
- Green (96%)
- Blue (57%)



- Red (31%)
- Yellow (77%)
- Blue (96%)



- Cyan (67%)
- Magenta (0%)
- Yellow (40%)
- Black (4%)





- Cyan (69%)
- Magenta (4%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4822, 0.2768, 0.4640 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 68.4822, 0.2768, 0.4640 by changing the saturation by 10% instead.

 68.4822, 0.2768,
0.4640

 68.4822, 0.2768,
0.4640


455.2026, 0.2963,
0.3958


 50.2901, 0.2715,
0.4810


 117.0417, 0.2842,
0.4392


 35.6440, 0.2646,
0.5026


 148.1779, 0.2869,
0.4299

 24.1594, 0.2551,
0.5311


 184.3976, 0.2891,
0.4220

 15.4519, 0.2414,
0.5700

 226.0852, 0.2910,
0.4153

 9.1371, 0.2205,
0.6252

273.6252, 0.2926,
0.4094

 4.8307, 0.1869,
0.7095


327.4018, 0.2940,

 2.1483, 0.0703,


0.4043


0.9297


387.7994, 0.2953,
0.3998


 0.6916, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.4822, 0.2768,
0.4640


 68.4822, 0.2768,
0.4640


 67.1817, 0.2763,
0.4874


 70.2317, 0.2791,
0.4404

 66.2758, 0.2777,
0.5096


 72.4615, 0.2830,
0.4173


 65.7081, 0.2809,
0.5298

 75.2093, 0.2881,
0.3954


 65.5833, 0.2820,
0.5351

 78.5066, 0.2942,
0.3750

 82.3826, 0.3008,
0.3565

 86.8641, 0.3077,
0.3398

 91.9764, 0.3147,
0.3250

 93.1798, 0.3132,
0.3185

Harmonies

Analogous

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



68.4822, 0.3601, 0.4939



68.4822, 0.2768, 0.4640



68.4822, 0.2079, 0.3750

Triad

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



68.4822, 0.2768, 0.4640



68.4822, 0.1910, 0.1993



68.4822, 0.4793, 0.3395

Complementary

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



68.4822, 0.2768, 0.4640



28.2043, 0.3969, 0.2321

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.



68.4822, 0.4207, 0.2804



68.4822, 0.2768, 0.4640



68.4822, 0.2472, 0.2038

Square

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



68.4822, 0.2768, 0.4640



68.4822, 0.1654, 0.2234



68.4822, 0.3307, 0.2325



68.4822, 0.4820, 0.4028

Rectangle

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



68.4822, 0.2768, 0.4640



68.4822, 0.1790, 0.3105



68.4822, 0.3307, 0.2325



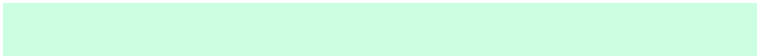
68.4822, 0.4655, 0.3191

Sweetspot

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



68.4850, 0.2768, 0.4640



89.7665, 0.2988, 0.3616



74.7977, 0.3571, 0.5111



18.9526, 0.2970, 0.3668



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.



68.4850, 0.2768, 0.4640



73.8113, 0.2767, 0.4965



71.9896, 0.2409, 0.3495



18.5824, 0.3061, 0.3435



35.6868, 0.2812, 0.5321



3.1563, 0.2742, 0.5072

Inverse Universe

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



28.2043, 0.3969, 0.2321



26.3880, 0.4230, 0.2243



25.8392, 0.5154, 0.3147



16.6489, 0.3200, 0.3149



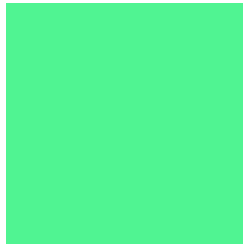
11.6125, 0.4549, 0.2280



1.0409, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 68.4822, 0.2768, 0.4640 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 68.4822, 0.2768, 0.4640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

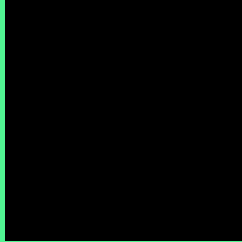
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.4822, 0.2768, 0.4640

Background



This preview shows how black text looks on a background with the Yxy color 68.4822, 0.2768, 0.4640.

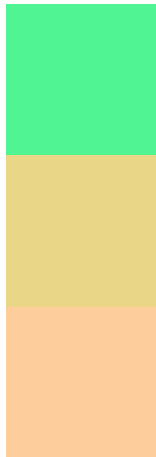


This preview shows how white text looks on a background with the Yxy color 68.4822, 0.2768, 0.4640.

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

68.4822, 0.2768, 0.4640

Protanopia

67.1380, 0.3840, 0.4161

Deuteranopia

66.9118, 0.3889, 0.3813



Tritanopia

68.3284, 0.2397, 0.3071

Trichromacy



Original Color

68.4822, 0.2768, 0.4640



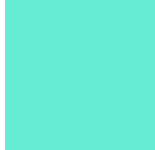
Protanomaly

65.0325, 0.3339, 0.4375



Deuteranomaly

63.8772, 0.3361, 0.4111



Tritanomaly

67.6279, 0.2526, 0.3598

Monochromacy



Original Color

68.4822, 0.2768, 0.4640



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.1559, 0.2932, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4822, 0.2768, 0.4640 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, 244, 146)` looks like.

```
.text, #text, p{  
    color:rgb(80, 244, 146)  
}
```

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, 244, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 244, 146) }
```

Border

The CSS property to change the border of an element to Yxy 68.4822, 0.2768, 0.4640 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, 244, 146) }
```

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

```
.border{ border-color:rgb(80, 244, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 244, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 244, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 244, 146);  
box-shadow:4px 4px 4px 4px rgb(80, 244,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4822, 0.2768, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 244, 146) }
```

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

```
.background{ background-color: rgb(80, 244,  
146) }
```

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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