

Converting Colors

Yxy(65.8048, 0.2898, 0.4809)

Have a look what the booklet for
Yxy(65.8048, 0.2898, 0.4809)
contains.

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Color

Yxy(65.8048, 0.2898, 0.4809)

Conversions

Conversions Part 1

Format	Color
Hex	60EF81
RGB	96, 239, 129
RGB Percent	38%, 94%, 51%
CMY	0.6234, 0.0627, 0.4941
CMYK	0.60, 0.00, 0.46, 0.06
HSL	134°, 82%, 66%
HSV	134°, 60%, 94%
XYZ	39.6553, 65.8048, 31.3767
YIQ	183.7030, -49.9180, -64.5260

Conversions

Conversions Part 2

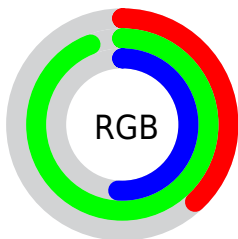
Format	Color
RYB	96, 212, 239
Decimal	6352769
CIELab	84.90, -61.28, 41.86
CIELCh	85, 74.215, 145.667
Yxy	65.8048, 0.2898, 0.4809
Android (android.graphics.Color)	4284542849 (0xFF60EF81)
YUV	183.7030, -26.9686, -76.9155
Hunter-Lab	81.1202, -54.7012, 33.8512

Details

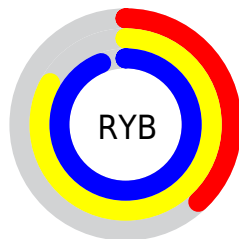
The Yxy color **65.8048, 0.2898, 0.4809** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **31.1827, 0.3540, 0.2167**, and the grayscale version is **47.9390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2080, 0.2947, 0.4148**, and **33.9982, 0.2794, 0.5254** is the 20% darker color. If you saturate the color by 10%, you get **64.2558, 0.2887, 0.5097**, and if you desaturate by 10%, it is **67.8412, 0.2921, 0.4514**.

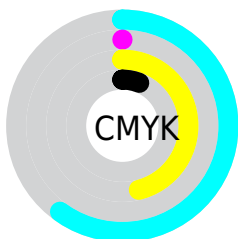
Distribution



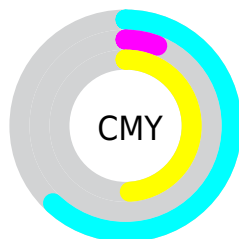
- Red (38%)
- Green (94%)
- Blue (51%)



- Red (38%)
- Yellow (83%)
- Blue (94%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (6%)




- Cyan (62%)
- Magenta (6%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8048, 0.2898, 0.4809 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 65.8048, 0.2898, 0.4809 by changing the saturation by 10% instead.


 65.8048, 0.2898,
0.4809

 65.8048, 0.2898,
0.4809


445.6785, 0.3041,
0.4036


 48.1140, 0.2854,
0.5002


 113.2061, 0.2956,
0.4527


 33.9171, 0.2793,
0.5248


 143.6854, 0.2977,
0.4422

 22.8300, 0.2705,
0.5570


 179.1963, 0.2993,
0.4332

 14.4680, 0.2571,
0.6007

 220.1231, 0.3006,
0.4256

 8.4469, 0.2353,
0.6616

266.8504, 0.3017,
0.4190

 4.3822, 0.2060,
0.7807

319.7624, 0.3027,

 1.8896, 0.0364,

0.4132

0.9636

379.2437, 0.3035,
0.4081

■ 0.5421, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8048, 0.2898,
0.4809

■ 65.8048, 0.2898,
0.4809

■ 64.2558, 0.2887,
0.5097

■ 67.8412, 0.2921,
0.4514

■ 63.1444, 0.2891,
0.5363


■ 70.3936, 0.2954,
0.4226


■ 62.4241, 0.2908,
0.5589


■ 73.4978, 0.2994,
0.3955


■ 62.0165, 0.2935,
0.5766

■ 77.1841, 0.3037,
0.3707

 62.0104, 0.2936,
0.5768

 81.4806, 0.3083,
0.3484

 86.4135, 0.3128,
0.3287

 90.2137, 0.3134,
0.3136

Harmonies

Analogous

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



65.8048, 0.3758, 0.4978



65.8048, 0.2898, 0.4809



65.8048, 0.2147, 0.3952

Triad

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



65.8048, 0.2898, 0.4809



65.8048, 0.1804, 0.1973



65.8048, 0.4787, 0.3279

Complementary

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



65.8048, 0.2898, 0.4809



31.1827, 0.3540, 0.2167

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.



65.8048, 0.4093, 0.2688



65.8048, 0.2898, 0.4809



65.8048, 0.2323, 0.1974

Square

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



65.8048, 0.2898, 0.4809



65.8048, 0.1597, 0.2276



65.8048, 0.3143, 0.2227



65.8048, 0.4914, 0.3925

Rectangle

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



65.8048, 0.2898, 0.4809



65.8048, 0.1810, 0.3263



65.8048, 0.3143, 0.2227



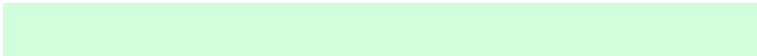
65.8048, 0.4610, 0.3073

Sweetspot

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



65.8075, 0.2898, 0.4809



90.2403, 0.3045, 0.3666



75.9928, 0.3743, 0.4821



19.0251, 0.3032, 0.3735



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.



65.8075, 0.2898, 0.4809



74.0833, 0.2887, 0.5165



68.3229, 0.2570, 0.3822



17.7161, 0.3084, 0.3477



34.2845, 0.2929, 0.5744



2.8669, 0.2861, 0.5501

Inverse Universe

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



31.1827, 0.3540, 0.2167



30.6054, 0.3655, 0.2016



28.5172, 0.4451, 0.2867



15.9654, 0.3173, 0.3110



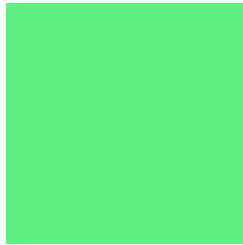
12.0725, 0.3894, 0.1919



1.0193, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 65.8048, 0.2898, 0.4809 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 65.8048, 0.2898, 0.4809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

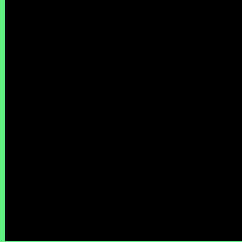
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8048, 0.2898, 0.4809

Background



This preview shows how black text looks on a background with the Yxy color 65.8048, 0.2898, 0.4809.

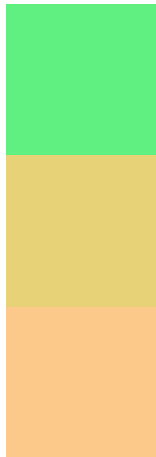


This preview shows how white text looks on a background with the Yxy color 65.8048, 0.2898, 0.4809.

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

65.8048, 0.2898, 0.4809

Protanopia

64.4140, 0.3942, 0.4280

Deuteranopia

64.4909, 0.4036, 0.3945



Tritanopia

65.4364, 0.2452, 0.3070

Trichromacy



Original Color

65.8048, 0.2898, 0.4809



Protanomaly

63.0880, 0.3476, 0.4501



Deuteranomaly

62.0859, 0.3530, 0.4261



Tritanomaly

65.1291, 0.2615, 0.3668

Monochromacy



Original Color

65.8048, 0.2898, 0.4809



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.5415, 0.3013, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8048, 0.2898, 0.4809 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(96, 239, 129)` looks like.

```
.text, #text, p{  
    color:rgb(96, 239, 129)  
}
```

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(96, 239, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 239, 129) }
```

Border

The CSS property to change the border of an element to Yxy 65.8048, 0.2898, 0.4809 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(96, 239, 129) }
```

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

```
.border{ border-color:rgb(96, 239, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 239, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 239, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 239, 129);  
box-shadow:4px 4px 4px 4px rgb(96, 239,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8048, 0.2898, 0.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 239, 129) }
```

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

```
.background{ background-color: rgb(96, 239,  
129) }
```

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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