

Converting Colors

$Y_{xy}(64.5197, 0.2608, 0.4579)$

Have a look what the booklet for
Yxy(64.5197, 0.2608, 0.4579)
contains.

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Color

Yxy(64.5868, 0.2607, 0.4574)

Conversions

Conversions Part 1

Format	Color
Hex	05F097
RGB	5, 240, 151
RGB Percent	2%, 94%, 59%
CMY	0.9790, 0.0588, 0.4078
CMYK	0.98, 0.00, 0.37, 0.06
HSL	157°, 96%, 48%
HSV	157°, 98%, 94%
XYZ	36.8119, 64.5868, 39.8055
YIQ	159.5890, -111.4910, -77.4990

Conversions

Conversions Part 2

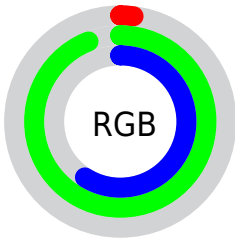
Format	Color
RYB	5, 150, 240
Decimal	389271
CIELab	84.27, -67.74, 29.87
CIELCh	84, 74.032, 156.202
Yxy	64.5868, 0.2607, 0.4574
Android (android.graphics.Color)	4278579351 (0xFF05F097)
YUV	159.5890, -4.2344, -135.5746
Hunter-Lab	80.3659, -58.8777, 26.8896

Details

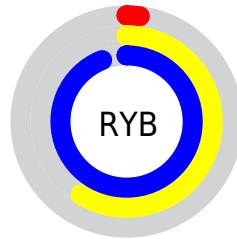
The Yxy color **64.5868, 0.2607, 0.4574** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.4565, 0.5440, 0.2783**, and the grayscale version is **35.0665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4210, 0.2628, 0.3895**, and **34.3567, 0.2682, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **64.4891, 0.2613, 0.4606**, and if you desaturate by 10%, it is **65.1287, 0.2587, 0.4429**.

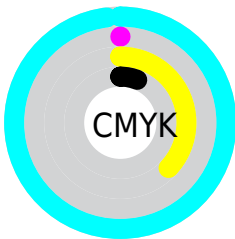
Distribution



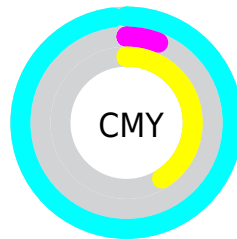
- Red (2%)
- Green (94%)
- Blue (59%)



- Red (2%)
- Yellow (59%)
- Blue (94%)



- Cyan (98%)
- Magenta (0%)
- Yellow (37%)
- Black (6%)




- Cyan (98%)
- Magenta (6%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5868, 0.2607, 0.4574 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 64.5868, 0.2607, 0.4574 by changing the saturation by 10% instead.


 64.5868, 0.2607,
0.4574


 64.5868, 0.2607,
0.4574

441.3056, 0.2876,
0.3919


 47.1261, 0.2538,
0.4739


 111.4556, 0.2706,
0.4334

 33.1354, 0.2448,
0.4952


 141.6325, 0.2743,
0.4245


 22.2302, 0.2328,
0.5234


 176.8169, 0.2774,
0.4169

 14.0261, 0.2160,
0.5625

 217.3932, 0.2801,
0.4105

 8.1388, 0.1911,
0.6191

 263.7459, 0.2824,
0.4049

 4.1839, 0.1522,
0.7064

316.2592, 0.2843,

 1.7770, 0.0000,

0.4000

1.0000

375.3177, 0.2861,
0.3957

■ 0.4728, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5868, 0.2607,
0.4574

■ 64.5868, 0.2607,
0.4574

■ 64.4891, 0.2613,
0.4606

■ 65.1287, 0.2587,
0.4429


■ 65.9596, 0.2585,
0.4281

■ 67.1403, 0.2605,
0.4132


■ 68.7139, 0.2644,
0.3986

 70.7172, 0.2701,
0.3844

 73.1824, 0.2773,
0.3709

 76.1387, 0.2857,
0.3584

 79.6128, 0.2950,
0.3469

 83.6295, 0.3049,
0.3364

Harmonies

Analogous

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



64.5868, 0.3459, 0.5012



64.5868, 0.2607, 0.4574



64.5868, 0.1946, 0.3584

Triad

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



64.5868, 0.2607, 0.4574



64.5868, 0.1946, 0.1938



64.5868, 0.4908, 0.3502

Complementary

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



64.5868, 0.2607, 0.4574



19.4565, 0.5440, 0.2783

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.



64.5868, 0.4393, 0.2884



64.5868, 0.2607, 0.4574



64.5868, 0.2579, 0.2032

Square

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



64.5868, 0.2607, 0.4574



64.5868, 0.1630, 0.2127



64.5868, 0.3480, 0.2365



64.5868, 0.4827, 0.4156

Rectangle

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



64.5868, 0.2607, 0.4574



64.5868, 0.1691, 0.2935



64.5868, 0.3480, 0.2365



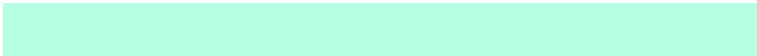
64.5868, 0.4801, 0.3289

Sweetspot

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



64.5894, 0.2607, 0.4574



86.8932, 0.2846, 0.3600



64.7815, 0.3224, 0.5811



18.2799, 0.2809, 0.3653



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.



64.5894, 0.2607, 0.4574



73.9983, 0.2614, 0.4610



53.7266, 0.2147, 0.2921



17.8214, 0.3031, 0.3381



35.3290, 0.2606, 0.4583



2.9583, 0.2554, 0.4393

Inverse Universe

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



19.4565, 0.5440, 0.2783



22.1179, 0.5511, 0.2809



19.6105, 0.6280, 0.3374



15.8580, 0.3234, 0.3201



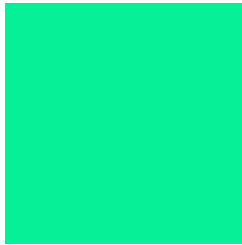
10.5787, 0.5461, 0.2782



0.8988, 0.5104, 0.2586

Previews

White Background



This preview shows how the Yxy color 64.5868, 0.2607, 0.4574 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 64.5868, 0.2607, 0.4574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

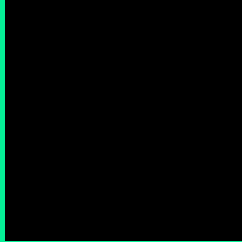
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5868, 0.2607, 0.4574

Background



This preview shows how black text looks on a background with the Yxy color 64.5868, 0.2607, 0.4574.

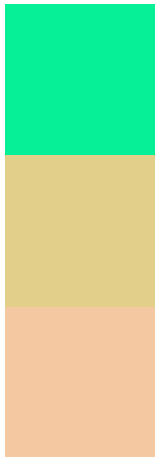


This preview shows how white text looks on a background with the Yxy color 64.5868, 0.2607, 0.4574.

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

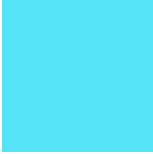
64.5868, 0.2607, 0.4574

Protanopia

63.1155, 0.3780, 0.4078

Deuteranopia

63.0797, 0.3796, 0.3723



Tritanopia

64.1335, 0.2296, 0.3050

Trichromacy



Original Color

64.5868, 0.2607, 0.4574



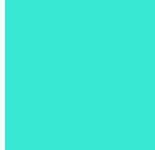
Protanomaly

59.2806, 0.3098, 0.4331



Deuteranomaly

58.2033, 0.3091, 0.4062



Tritanomaly

63.3074, 0.2381, 0.3558

Monochromacy



Original Color

64.5868, 0.2607, 0.4574



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.7726, 0.2723, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5868, 0.2607, 0.4574 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(5, 240, 151)` looks like.

```
.text, #text, p{  
    color:rgb(5, 240, 151)  
}
```

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(5, 240, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 240, 151) }
```

Border

The CSS property to change the border of an element to Yxy 64.5868, 0.2607, 0.4574 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(5, 240, 151) }
```

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

```
.border{ border-color:rgb(5, 240, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 240, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 240, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 240, 151);  
box-shadow:4px 4px 4px 4px rgb(5, 240,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5868, 0.2607, 0.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 240, 151) }
```

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

```
.background{ background-color: rgb(5, 240,  
151) }
```

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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