

Converting Colors

$Yxy(65.4240, 0.2674, 0.4825)$

Have a look what the booklet for
Yxy(65.4240, 0.2674, 0.4825)
contains.

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Color

Yxy(65.2883, 0.2673, 0.4819)

Conversions

Conversions Part 1

Format	Color
Hex	02F288
RGB	2, 242, 136
RGB Percent	1%, 95%, 53%
CMY	0.9932, 0.0510, 0.4667
CMYK	0.99, 0.00, 0.44, 0.05
HSL	154°, 99%, 48%
HSV	154°, 99%, 95%
XYZ	36.2141, 65.2883, 33.9786
YIQ	158.1560, -109.0140, -83.8460

Conversions

Conversions Part 2

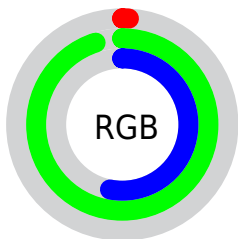
Format	Color
R _Y B	2, 156, 242
Decimal	193160
CIE Lab	84.63, -71.28, 37.85
CIE LCh	85, 80.704, 152.034
Yxy	65.2883, 0.2673, 0.4819
Android (android.graphics.Color)	4278383240 (0xFF02F288)
YUV	158.1560, -10.9229, -136.9488
Hunter-Lab	80.8012, -61.4006, 31.6281

Details

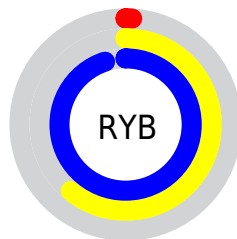
The Yxy color **65.2883, 0.2673, 0.4819** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **19.9914, 0.5228, 0.2658**, and the grayscale version is **34.3130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6825, 0.2700, 0.4107**, and **34.9211, 0.2764, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **65.2582, 0.2675, 0.4831**, and if you desaturate by 10%, it is **65.8173, 0.2646, 0.4654**.

Distribution



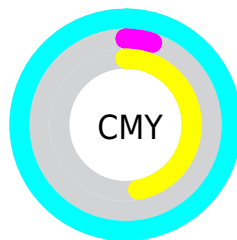
- Red (1%)
- Green (95%)
- Blue (53%)



- Red (1%)
- Yellow (61%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (44%)
- Black (5%)




- Cyan (99%)
- Magenta (5%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2883, 0.2673, 0.4819 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 65.2883, 0.2673, 0.4819 by changing the saturation by 10% instead.


 65.2883, 0.2673,
0.4819


 65.2883, 0.2673,
0.4819


443.8273, 0.2921,
0.4035


 47.6949, 0.2606,
0.5017


 112.4642, 0.2767,
0.4532


 33.5853, 0.2517,
0.5271


 142.8156, 0.2802,
0.4424

 22.5752, 0.2394,
0.5607

 178.1883, 0.2830,
0.4334

 14.2802, 0.2218,
0.6067

 218.9669, 0.2854,
0.4256

 8.3158, 0.1950,
0.6720

 265.5357, 0.2875,
0.4190

 4.2977, 0.1556,
0.7853

318.2791, 0.2892,

 1.8414, 0.0000,

0.4132

1.0000

377.5815, 0.2908,
0.4080

■ 0.5128, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.2883, 0.2673,
0.4819

■ 65.2883, 0.2673,
0.4819

■ 65.2582, 0.2675,
0.4831

■ 65.8173, 0.2646,
0.4654


■ 66.6299, 0.2636,
0.4482


■ 67.7992, 0.2647,
0.4307

■ 69.3710, 0.2678,
0.4133

 71.3837, 0.2728,
0.3965

 73.8712, 0.2792,
0.3805

 76.8641, 0.2868,
0.3656

 80.3901, 0.2952,
0.3518

 84.4750, 0.3041,
0.3394

Harmonies

Analogous

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



65.2883, 0.3591, 0.5160



65.2883, 0.2673, 0.4819



65.2883, 0.1930, 0.3764

Triad

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



65.2883, 0.2673, 0.4819



65.2883, 0.1798, 0.1855



65.2883, 0.5016, 0.3401

Complementary

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



65.2883, 0.2673, 0.4819



19.9914, 0.5228, 0.2658

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.



65.2883, 0.4378, 0.2762



65.2883, 0.2673, 0.4819



65.2883, 0.2419, 0.1919

Square

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



65.2883, 0.2673, 0.4819



65.2883, 0.1512, 0.2092



65.2883, 0.3358, 0.2238



65.2883, 0.4998, 0.4091

Rectangle

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



65.2883, 0.2673, 0.4819



65.2883, 0.1631, 0.3028



65.2883, 0.3358, 0.2238



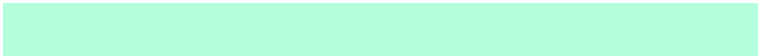
65.2883, 0.4872, 0.3180

Sweetspot

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



65.2909, 0.2673, 0.4819



86.2778, 0.2861, 0.3667



66.8117, 0.3293, 0.5764



18.1509, 0.2828, 0.3729



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.



65.2909, 0.2673, 0.4819



73.4877, 0.2676, 0.4835



63.0064, 0.2204, 0.3132



17.8043, 0.3040, 0.3396



35.0861, 0.2668, 0.4804



2.9388, 0.2607, 0.4585

Inverse Universe

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



19.9914, 0.5228, 0.2658



22.4413, 0.5254, 0.2668



19.1877, 0.6365, 0.3321



15.8747, 0.3224, 0.3186



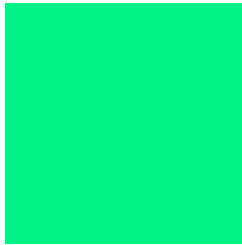
10.7352, 0.5207, 0.2642



0.9128, 0.4879, 0.2461

Previews

White Background



This preview shows how the Yxy color 65.2883, 0.2673, 0.4819 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 65.2883, 0.2673, 0.4819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

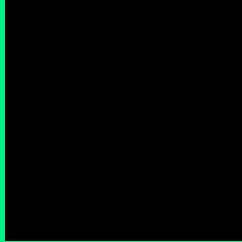
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2883, 0.2673, 0.4819

Background



This preview shows how black text looks on a background with the Yxy color 65.2883, 0.2673, 0.4819.

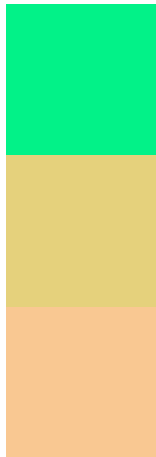


This preview shows how white text looks on a background with the Yxy color 65.2883, 0.2673, 0.4819.

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

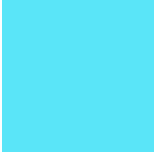
65.2947, 0.2673, 0.4819

Protanopia

63.7142, 0.3898, 0.4227

Deuteranopia

63.5236, 0.3947, 0.3862



Tritanopia

64.9896, 0.2310, 0.3052

Trichromacy



Original Color

65.2947, 0.2673, 0.4819



Protanomaly

59.3824, 0.3184, 0.4544



Deuteranomaly

57.9248, 0.3200, 0.4263



Tritanomaly

64.2502, 0.2412, 0.3653

Monochromacy



Original Color

65.2947, 0.2673, 0.4819



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

41.3639, 0.2749, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2883, 0.2673, 0.4819 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(2, 242, 136)` looks like.

```
.text, #text, p{  
    color:rgb(2, 242, 136)  
}
```

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(2, 242, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 242, 136) }
```

Border

The CSS property to change the border of an element to Yxy 65.2883, 0.2673, 0.4819 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(2, 242, 136) }
```

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

```
.border{ border-color:rgb(2, 242, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 242, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 242, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 242, 136);  
box-shadow:4px 4px 4px 4px rgb(2, 242,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2883, 0.2673, 0.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 242, 136) }
```

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

```
.background{ background-color: rgb(2, 242,  
136) }
```

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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