

Converting Colors

$Y_{xy}(65.6708, 0.2896, 0.5625)$

Have a look what the booklet for
Yxy(65.6708, 0.2896, 0.5625)
contains.

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Color

Yxy(65.7859, 0.2897, 0.5630)

Conversions

Conversions Part 1

Format	Color
Hex	00F549
RGB	0, 245, 73
RGB Percent	0%, 96%, 29%
CMY	1.0000, 0.0392, 0.7138
CMYK	1.00, 0.00, 0.70, 0.04
HSL	138°, 100%, 48%
HSV	138°, 100%, 96%
XYZ	33.8511, 65.7859, 17.2118
YIQ	152.1370, -90.8080, -105.4320

Conversions

Conversions Part 2

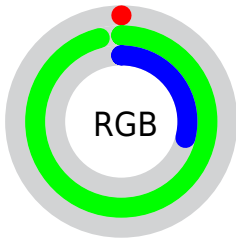
Format	Color
RYB	0, 189, 245
Decimal	62793
CIELab	84.89, -80.44, 65.80
CIELCh	85, 103.927, 140.716
Yxy	65.7859, 0.2897, 0.5630
Android (android.graphics.Color)	4278252873 (0xFF00F549)
YUV	152.1370, -39.0145, -133.4241
Hunter-Lab	81.1085, -67.4419, 44.1942

Details

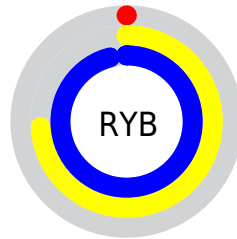
The Yxy color **65.7859, 0.2897, 0.5630** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **22.3939, 0.4158, 0.2064**, and the grayscale version is **31.6639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7765, 0.2983, 0.4887**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.7907, 0.2897, 0.5630**, and if you desaturate by 10%, it is **66.2516, 0.2865, 0.5439**.

Distribution



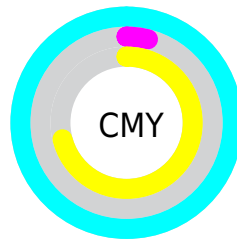
- Red (0%)
- Green (96%)
- Blue (29%)



- Red (0%)
- Yellow (74%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7859, 0.2897, 0.5630 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 65.7859, 0.2897, 0.5630 by changing the saturation by 10% instead.


 65.7859, 0.2897,
0.5630

 65.7859, 0.2897,
0.5630


445.6108, 0.3095,
0.4433


 48.0986, 0.2823,
0.5919


 113.1790, 0.2988,
0.5199


 33.9050, 0.2716,
0.6277

 143.6536, 0.3016,
0.5035

 22.8206, 0.2556,
0.6724


 179.1594, 0.3038,
0.4896

 14.4611, 0.2309,
0.7283

 220.0809, 0.3055,
0.4777

 8.4421, 0.1944,
0.8056

 266.8023, 0.3068,
0.4673

 4.3791, 0.1301,
0.8699


319.7082, 0.3079,

 1.8878, 0.0000,


0.4583


1.0000


379.1829, 0.3088,
0.4504


 0.5410, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.7859, 0.2897,
0.5630


 65.7859, 0.2897,
0.5630

 65.7907, 0.2897,
0.5630

 66.2516, 0.2865,
0.5439

 67.0326, 0.2845,
0.5210

 68.2163, 0.2841,
0.4954

 69.8535, 0.2853,
0.4683

■ 71.9874, 0.2880,
0.4411

■ 74.6559, 0.2919,
0.4147

■ 77.8930, 0.2966,
0.3900

■ 81.7299, 0.3018,
0.3674

■ 86.1956, 0.3072,
0.3470

Harmonies

Analogous

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



65.7859, 0.4001, 0.5486



65.7859, 0.2897, 0.5630



65.7859, 0.1904, 0.4489

Triad

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



65.7859, 0.2897, 0.5630



65.7859, 0.1358, 0.1608



65.7859, 0.5316, 0.3053

Complementary

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



65.7859, 0.2897, 0.5630



22.3939, 0.4158, 0.2064

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.



65.7859, 0.4242, 0.2365



65.7859, 0.2897, 0.5630



65.7859, 0.1913, 0.1578

Square

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



65.7859, 0.2897, 0.5630



65.7859, 0.1165, 0.2005



65.7859, 0.2911, 0.1841



65.7859, 0.5537, 0.3817

Rectangle

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



65.7859, 0.2897, 0.5630



65.7859, 0.1459, 0.3425



65.7859, 0.2911, 0.1841



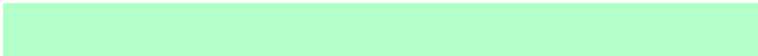
65.7859, 0.5035, 0.2813

Sweetspot

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



65.7907, 0.2897, 0.5630



85.2747, 0.2965, 0.3902



74.4923, 0.3692, 0.5450



17.9153, 0.2945, 0.4004



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.



65.7907, 0.2897, 0.5630



72.0411, 0.2898, 0.5633



69.1124, 0.2448, 0.4013



18.5533, 0.3075, 0.3461



35.4612, 0.2889, 0.5602



3.1340, 0.2821, 0.5355

Inverse Universe

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



22.3939, 0.4158, 0.2064



24.5166, 0.4160, 0.2065



19.6719, 0.6067, 0.3116



16.6793, 0.3184, 0.3125



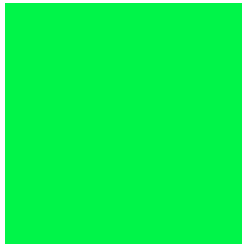
12.0886, 0.4138, 0.2053



1.0805, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 65.7859, 0.2897, 0.5630 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 65.7859, 0.2897, 0.5630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

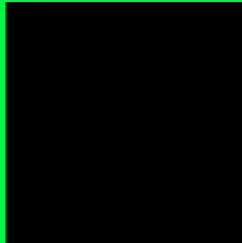
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

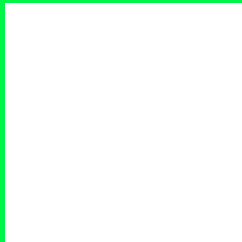
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7859, 0.2897, 0.5630

Background



This preview shows how black text looks on a background with the Yxy color 65.7859, 0.2897, 0.5630.



This preview shows how white text looks on a background with the Yxy color 65.7859, 0.2897, 0.5630.

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

65.7859, 0.2897, 0.5630

Protanopia

64.1255, 0.4266, 0.4697

Deuteranopia

64.2031, 0.4237, 0.4181



Tritanopia

65.4633, 0.2345, 0.3066

Trichromacy



Original Color

65.7859, 0.2897, 0.5630



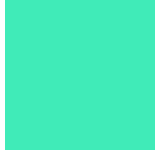
Protanomaly

59.6646, 0.3496, 0.5217



Deuteranomaly

58.1889, 0.3473, 0.4822



Tritanomaly

63.9673, 0.2530, 0.3998

Monochromacy



Original Color

65.7859, 0.2897, 0.5630



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

39.0893, 0.2894, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7859, 0.2897, 0.5630 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(0, 245, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 73)  
}
```

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(0, 245, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 73) }
```

Border

The CSS property to change the border of an element to Yxy 65.7859, 0.2897, 0.5630 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(0, 245, 73) }
```

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

```
.border{ border-color:rgb(0, 245, 73) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 245, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 65.7859, 0.2897, 0.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 73) }
```

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

```
.background{ background-color: rgb(0, 245,  
73) }
```

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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