

Converting Colors

$Y_{xy}(65.6252, 0.2905, 0.5658)$

Have a look what the booklet for
Yxy(65.6252, 0.2905, 0.5658)
contains.

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Color

Yxy(65.7470, 0.2905, 0.5658)

Conversions

Conversions Part 1

Format	Color
Hex	00F546
RGB	0, 245, 70
RGB Percent	0%, 96%, 27%
CMY	1.0000, 0.0392, 0.7256
CMYK	1.00, 0.00, 0.71, 0.04
HSL	137°, 100%, 48%
HSV	137°, 100%, 96%
XYZ	33.7566, 65.7470, 16.6982
YIQ	151.7950, -89.8450, -106.3650

Conversions

Conversions Part 2

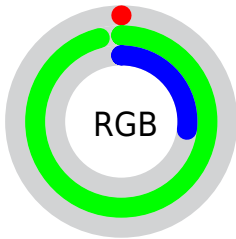
Format	Color
RYB	0, 191, 245
Decimal	62790
CIELab	84.87, -80.69, 66.86
CIELCh	85, 104.784, 140.355
Yxy	65.7470, 0.2905, 0.5658
Android (android.graphics.Color)	4278252870 (0xFF00F546)
YUV	151.7950, -40.3249, -133.1242
Hunter-Lab	81.0845, -67.5858, 44.5492

Details

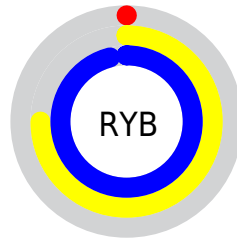
The Yxy color **65.7470, 0.2905, 0.5658** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **22.5103, 0.4111, 0.2038**, and the grayscale version is **31.5120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6971, 0.2995, 0.4923**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.7498, 0.2905, 0.5658**, and if you desaturate by 10%, it is **66.2042, 0.2873, 0.5469**.

Distribution



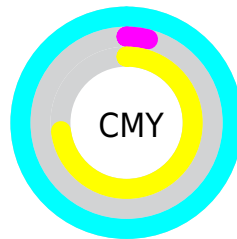
- Red (0%)
- Green (96%)
- Blue (27%)



- Red (0%)
- Yellow (75%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7470, 0.2905, 0.5658 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 65.7470, 0.2905, 0.5658 by changing the saturation by 10% instead.


 65.7470, 0.2905,
0.5658

 65.7470, 0.2905,
0.5658


445.4715, 0.3102,
0.4448


 48.0671, 0.2830,
0.5949


 113.1231, 0.2996,
0.5222


 33.8800, 0.2722,
0.6309


 143.5881, 0.3025,
0.5057

 22.8014, 0.2559,
0.6758


 179.0835, 0.3046,
0.4916

 14.4469, 0.2310,
0.7318

 219.9938, 0.3063,
0.4795

 8.4322, 0.1935,
0.8065

 266.7034, 0.3076,
0.4691

 4.3727, 0.1289,
0.8711


319.5966, 0.3087,

 1.8842, 0.0000,

0.4600


1.0000


379.0578, 0.3095,
0.4519


 0.5388, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.7470, 0.2905,
0.5658

 65.7470, 0.2905,
0.5658

 65.7498, 0.2905,
0.5658

 66.2042, 0.2873,
0.5469

 66.9804, 0.2853,
0.5241

 68.1611, 0.2849,
0.4982

 69.7977, 0.2861,
0.4708

■ 71.9333, 0.2888,
0.4431

■ 74.6061, 0.2925,
0.4163

■ 77.8503, 0.2971,
0.3911

■ 81.6974, 0.3021,
0.3681

■ 86.1763, 0.3074,
0.3474

Harmonies

Analogous

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



65.7470, 0.4015, 0.5493



65.7470, 0.2905, 0.5658



65.7470, 0.1904, 0.4520

Triad

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



65.7470, 0.2905, 0.5658



65.7470, 0.1344, 0.1600



65.7470, 0.5325, 0.3040

Complementary

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



65.7470, 0.2905, 0.5658



22.5103, 0.4111, 0.2038

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.



65.7470, 0.4235, 0.2350



65.7470, 0.2905, 0.5658



65.7470, 0.1896, 0.1567

Square

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



65.7470, 0.2905, 0.5658



65.7470, 0.1154, 0.2003



65.7470, 0.2894, 0.1827



65.7470, 0.5556, 0.3806

Rectangle

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



65.7470, 0.2905, 0.5658



65.7470, 0.1453, 0.3443



65.7470, 0.2894, 0.1827



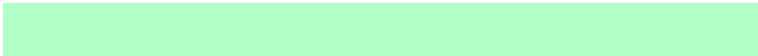
65.7470, 0.5038, 0.2800

Sweetspot

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



65.7498, 0.2905, 0.5658



85.2305, 0.2970, 0.3913



74.4901, 0.3692, 0.5450



17.9051, 0.2950, 0.4017



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.



65.7498, 0.2905, 0.5658



71.9986, 0.2906, 0.5661



69.1103, 0.2448, 0.4013



18.5498, 0.3077, 0.3464



35.4395, 0.2897, 0.5630



3.1318, 0.2829, 0.5386

Inverse Universe

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



22.5103, 0.4111, 0.2038



24.6450, 0.4113, 0.2039



19.6713, 0.6067, 0.3116



16.6829, 0.3182, 0.3122



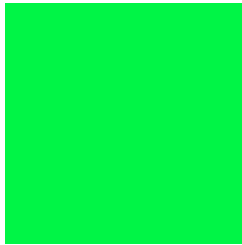
12.1512, 0.4093, 0.2028



1.0856, 0.3955, 0.1953

Previews

White Background



This preview shows how the Yxy color 65.7470, 0.2905, 0.5658 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 65.7470, 0.2905, 0.5658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

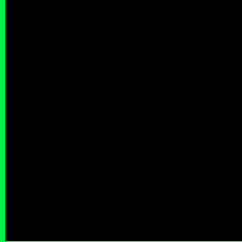
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

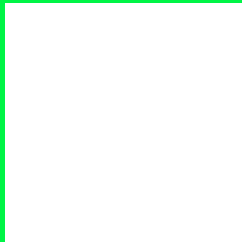
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7470, 0.2905, 0.5658

Background



This preview shows how black text looks on a background with the Yxy color 65.7470, 0.2905, 0.5658.

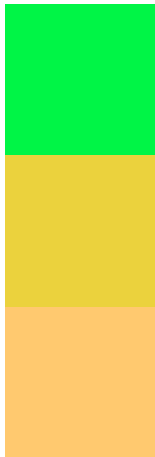


This preview shows how white text looks on a background with the Yxy color 65.7470, 0.2905, 0.5658.

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

65.7470, 0.2905, 0.5658

Protanopia

64.0923, 0.4277, 0.4714

Deuteranopia

64.1810, 0.4243, 0.4190



Tritanopia

65.4633, 0.2345, 0.3066

Trichromacy



Original Color

65.7470, 0.2905, 0.5658



Protanomaly

59.6295, 0.3506, 0.5241



Deuteranomaly

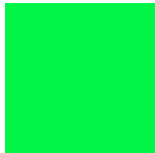
58.1516, 0.3484, 0.4843



Tritanomaly

63.9255, 0.2534, 0.4013

Monochromacy



Original Color

65.7470, 0.2905, 0.5658



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

39.0643, 0.2900, 0.4358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7470, 0.2905, 0.5658 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 70) }
```

Border

The CSS property to change the border of an element to Yxy 65.7470, 0.2905, 0.5658 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, 70) }
```

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

```
.border{ border-color:rgb(0, 245, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 245, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 65.7470, 0.2905, 0.5658 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, 70) }
```

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

```
.background{ background-color: rgb(0, 245,  
70) }
```

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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