

Converting Colors

Yxy(68.6142, 0.2945, 0.5790)

Have a look what the booklet for
Yxy(68.6142, 0.2945, 0.5790)
contains.

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Color

Yxy(68.6793, 0.2945, 0.5789)

Conversions

Conversions Part 1

Format	Color
Hex	05FA37
RGB	5, 250, 55
RGB Percent	2%, 98%, 22%
CMY	0.9793, 0.0196, 0.7846
CMYK	0.98, 0.00, 0.78, 0.02
HSL	132°, 96%, 50%
HSV	132°, 98%, 98%
XYZ	34.9388, 68.6793, 15.0195
YIQ	154.5150, -83.4250, -112.5850

Conversions

Conversions Part 2

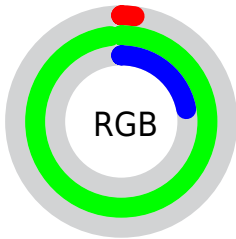
Format	Color
RYB	5, 208, 250
Decimal	391735
CIELab	86.34, -82.97, 73.12
CIELCh	86, 110.590, 138.611
Yxy	68.6793, 0.2945, 0.5789
Android (android.graphics.Color)	4278581815 (0xFF05FA37)
YUV	154.5150, -49.0609, -131.1247
Hunter-Lab	82.8730, -69.7731, 47.2656

Details

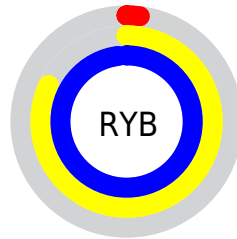
The Yxy color **68.6793, 0.2945, 0.5789** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.6252, 0.3797, 0.1872**, and the grayscale version is **32.8363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6325, 0.3054, 0.5045**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.6096, 0.2950, 0.5819**, and if you desaturate by 10%, it is **69.1591, 0.2921, 0.5612**.

Distribution



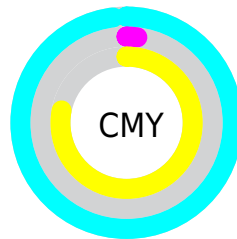
- Red (2%)
- Green (98%)
- Blue (22%)



- Red (2%)
- Yellow (82%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (78%)
- Black (2%)




- Cyan (98%)
- Magenta (2%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6793, 0.2945, 0.5789 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 68.6793, 0.2945, 0.5789 by changing the saturation by 10% instead.


 68.6793, 0.2945,
0.5789

 68.6793, 0.2945,
0.5789


455.8991, 0.3137,
0.4528


 50.4506, 0.2868,
0.6084


 117.3234, 0.3037,
0.5341


 35.7715, 0.2755,
0.6444


 148.5076, 0.3066,
0.5168


 24.2578, 0.2586,
0.6883


 184.7790, 0.3087,
0.5021

 15.5250, 0.2335,
0.7438

 226.5221, 0.3102,
0.4895

 9.1886, 0.1937,
0.8063

 274.1213, 0.3114,
0.4785

 4.8644, 0.1331,
0.8669


327.9609, 0.3124,

 2.1679, 0.0000,

0.4689


1.0000

388.4254, 0.3131,
0.4604


 0.7024, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.6793, 0.2945,
0.5789


 68.6793, 0.2945,
0.5789

 68.6096, 0.2950,
0.5819

 69.1591, 0.2921,
0.5612


 70.0152, 0.2907,
0.5380

 71.3215, 0.2906,
0.5106


 73.1319, 0.2919,
0.4808

 75.4925, 0.2942,
0.4504

 78.4440, 0.2974,
0.4208

 82.0233, 0.3012,
0.3930

 86.2641, 0.3053,
0.3677

 91.1979, 0.3094,
0.3450

Harmonies

Analogous

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



68.6793, 0.4082, 0.5516



68.6793, 0.2945, 0.5789



68.6793, 0.1905, 0.4672

Triad

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



68.6793, 0.2945, 0.5789



68.6793, 0.1276, 0.1563



68.6793, 0.5363, 0.2977

Complementary

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



68.6793, 0.2945, 0.5789



24.6252, 0.3797, 0.1872

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.



68.6793, 0.4193, 0.2282



68.6793, 0.2945, 0.5789



68.6793, 0.1812, 0.1514

Square

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



68.6793, 0.2945, 0.5789



68.6793, 0.1101, 0.1995



68.6793, 0.2809, 0.1762



68.6793, 0.5644, 0.3749

Rectangle

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



68.6793, 0.2945, 0.5789



68.6793, 0.1429, 0.3534



68.6793, 0.2809, 0.1762



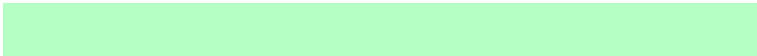
68.6793, 0.5050, 0.2734

Sweetspot

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



68.6821, 0.2945, 0.5789



85.3378, 0.3008, 0.3961



80.8099, 0.3842, 0.5323



17.9130, 0.2991, 0.4078



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.



68.6821, 0.2945, 0.5789



71.7656, 0.2950, 0.5821



71.5647, 0.2529, 0.4294



19.3668, 0.3088, 0.3485



36.4081, 0.2944, 0.5797



3.3865, 0.2886, 0.5590

Inverse Universe

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



24.6252, 0.3797, 0.1872



25.5841, 0.3813, 0.1874



20.9990, 0.5749, 0.2953



17.4607, 0.3169, 0.3103



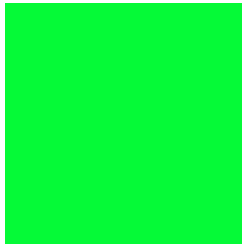
12.9958, 0.3801, 0.1868



1.2184, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 68.6793, 0.2945, 0.5789 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 68.6793, 0.2945, 0.5789 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

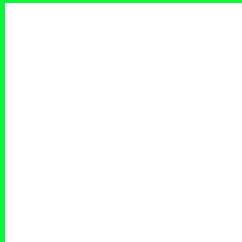
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6793, 0.2945, 0.5789

Background



This preview shows how black text looks on a background with the Yxy color 68.6793, 0.2945, 0.5789.



This preview shows how white text looks on a background with the Yxy color 68.6793, 0.2945, 0.5789.

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

68.6793, 0.2945, 0.5789

Protanopia

66.9912, 0.4340, 0.4781

Deuteranopia

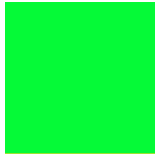
66.9611, 0.4099, 0.4084



Tritanopia

68.2492, 0.2349, 0.3058

Trichromacy



Original Color

68.6793, 0.2945, 0.5789



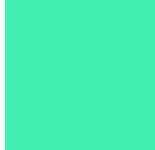
Protanomaly

62.1285, 0.3569, 0.5339



Deuteranomaly

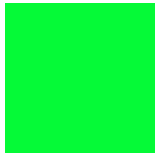
61.0747, 0.3457, 0.4822



Tritanomaly

66.2572, 0.2569, 0.4102

Monochromacy



Original Color

68.6793, 0.2945, 0.5789



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.9255, 0.2948, 0.4450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6793, 0.2945, 0.5789 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, 250, 55)` looks like.

```
.text, #text, p{  
    color:rgb(5, 250, 55)  
}
```

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, 250, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 250, 55) }
```

Border

The CSS property to change the border of an element to Yxy 68.6793, 0.2945, 0.5789 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, 250, 55) }
```

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

```
.border{ border-color:rgb(5, 250, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 250, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 250, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 250, 55);  
box-shadow:4px 4px 4px 4px rgb(5, 250, 55)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.6793, 0.2945, 0.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 250, 55) }
```

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

```
.background{ background-color: rgb(5, 250,  
55) }
```

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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