

Converting Colors

$Yxy(68.6840, 0.2958, 0.5801)$

Have a look what the booklet for
Yxy(68.6840, 0.2958, 0.5801)
contains.

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Color

Yxy(68.7477, 0.2959, 0.5803)

Conversions

Conversions Part 1

Format	Color
Hex	12FA34
RGB	18, 250, 52
RGB Percent	7%, 98%, 20%
CMY	0.9292, 0.0196, 0.7962
CMYK	0.93, 0.00, 0.79, 0.02
HSL	129°, 96%, 53%
HSV	129°, 93%, 98%
XYZ	35.0550, 68.7477, 14.6665
YIQ	158.0600, -74.7140, -110.7620

Conversions

Conversions Part 2

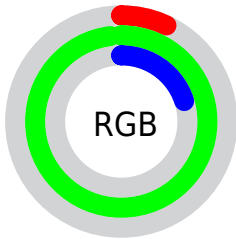
Format	Color
RYB	18, 220, 250
Decimal	1243700
CIELab	86.38, -82.72, 73.99
CIELCh	86, 110.983, 138.187
Yxy	68.7477, 0.2959, 0.5803
Android (android.graphics.Color)	4279433780 (0xFF12FA34)
YUV	158.0600, -52.2876, -122.8326
Hunter-Lab	82.9142, -69.6325, 47.5523

Details

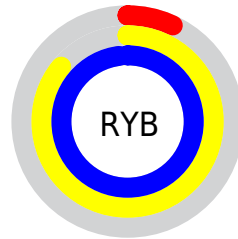
The Yxy color **68.7477, 0.2959, 0.5803** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **25.7221, 0.3589, 0.1774**, and the grayscale version is **34.4966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7280, 0.3071, 0.5063**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.5044, 0.2972, 0.5899**, and if you desaturate by 10%, it is **69.3739, 0.2945, 0.5613**.

Distribution



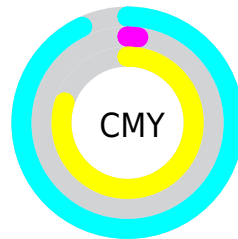
- Red (7%)
- Green (98%)
- Blue (20%)



- Red (7%)
- Yellow (86%)
- Blue (98%)



- Cyan (93%)
- Magenta (0%)
- Yellow (79%)
- Black (2%)



- Cyan (93%)
- Magenta (2%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7477, 0.2959, 0.5803 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 68.7477, 0.2959, 0.5803 by changing the saturation by 10% instead.


 68.7477, 0.2959,
0.5803

 68.7477, 0.2959,
0.5803


456.1406, 0.3146,
0.4537


 50.5063, 0.2882,
0.6098

 117.4211, 0.3050,
0.5354

 35.8158, 0.2770,
0.6457


 148.6219, 0.3078,
0.5181

 24.2920, 0.2600,
0.6894


 184.9113, 0.3099,
0.5033

 15.5504, 0.2350,
0.7450

 226.6737, 0.3114,
0.4906

 9.2065, 0.1947,
0.8053

 274.2934, 0.3125,
0.4795

 4.8761, 0.1343,
0.8657


328.1548, 0.3134,


 2.1748, 0.0000,

0.4699

1.0000

388.6425, 0.3141,
0.4613


 0.7062, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 68.7477, 0.2959,
0.5803


 68.7477, 0.2959,
0.5803

 68.5044, 0.2972,
0.5899

 69.3739, 0.2945,
0.5613

 70.4250, 0.2941,
0.5361

 71.9653, 0.2947,
0.5067

 74.0460, 0.2964,
0.4749

■ 76.7118, 0.2988,
0.4429

■ 80.0027, 0.3018,
0.4121

■ 83.9551, 0.3051,
0.3835

■ 88.6026, 0.3084,
0.3577

■ 93.9766, 0.3118,
0.3348

Harmonies

Analogous

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



68.7477, 0.4098, 0.5510



68.7477, 0.2959, 0.5803



68.7477, 0.1914, 0.4701

Triad

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



68.7477, 0.2959, 0.5803



68.7477, 0.1267, 0.1562



68.7477, 0.5359, 0.2965

Complementary

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



68.7477, 0.2959, 0.5803



25.7221, 0.3589, 0.1774

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.



68.7477, 0.4176, 0.2270



68.7477, 0.2959, 0.5803



68.7477, 0.1798, 0.1508

Square

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



68.7477, 0.2959, 0.5803



68.7477, 0.1097, 0.2001



68.7477, 0.2790, 0.1753



68.7477, 0.5654, 0.3736

Rectangle

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



68.7477, 0.2959, 0.5803



68.7477, 0.1433, 0.3558



68.7477, 0.2790, 0.1753



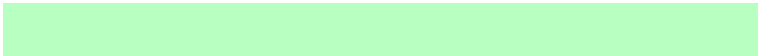
68.7477, 0.5041, 0.2722

Sweetspot

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



68.7505, 0.2959, 0.5803



85.5578, 0.3033, 0.3982



83.4898, 0.3962, 0.5206



17.9465, 0.3019, 0.4108



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.



68.7505, 0.2959, 0.5803



71.6553, 0.2972, 0.5900



71.2180, 0.2583, 0.4462



19.3506, 0.3096, 0.3499



36.3481, 0.2967, 0.5881



3.3785, 0.2917, 0.5702

Inverse Universe

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



25.7221, 0.3589, 0.1774



26.3073, 0.3626, 0.1771



21.7408, 0.5351, 0.2763



17.4784, 0.3160, 0.3090



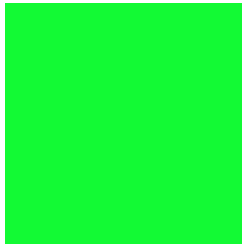
13.3577, 0.3617, 0.1766



1.2487, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 68.7477, 0.2959, 0.5803 looks on a white background.

Color Contrast Check

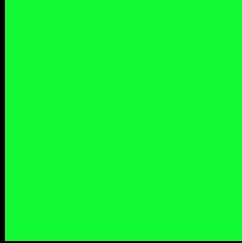
Large Text (above 18pt) WCAG AA × Fail

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 68.7477, 0.2959, 0.5803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

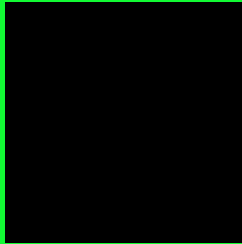
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7477, 0.2959, 0.5803

Background



This preview shows how black text looks on a background with the Yxy color 68.7477, 0.2959, 0.5803.

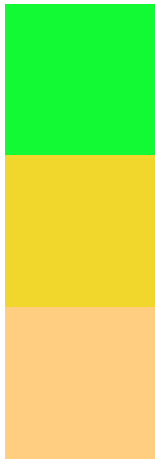


This preview shows how white text looks on a background with the Yxy color 68.7477, 0.2959, 0.5803.

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

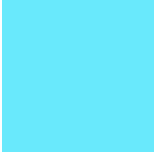
68.7477, 0.2959, 0.5803

Protanopia

66.9683, 0.4348, 0.4792

Deuteranopia

66.9611, 0.4099, 0.4084



Tritanopia

68.3094, 0.2352, 0.3058

Trichromacy



Original Color

68.7477, 0.2959, 0.5803



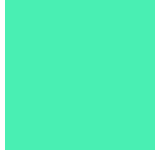
Protanomaly

62.6090, 0.3614, 0.5328



Deuteranomaly

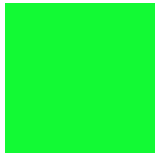
61.5977, 0.3500, 0.4814



Tritanomaly

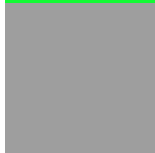
66.4041, 0.2586, 0.4114

Monochromacy



Original Color

68.7477, 0.2959, 0.5803



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

41.7193, 0.2989, 0.4449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7477, 0.2959, 0.5803 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(18, 250, 52)` looks like.

```
.text, #text, p{  
    color:rgb(18, 250, 52)  
}
```

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(18, 250, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 250, 52) }
```

Border

The CSS property to change the border of an element to Yxy 68.7477, 0.2959, 0.5803 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(18, 250, 52) }
```

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

```
.border{ border-color:rgb(18, 250, 52) }
```

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

Here you see how a box with a 4 pixel rgb(18, 250, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 250, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 250, 52);  
box-shadow:4px 4px 4px 4px rgb(18, 250,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7477, 0.2959, 0.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 250, 52) }
```

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

```
.background{ background-color: rgb(18, 250,  
52) }
```

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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