

Converting Colors

$Yxy(68.2371, 0.2960, 0.5855)$

Have a look what the booklet for
Yxy(68.2371, 0.2960, 0.5855)
contains.

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Color

Yxy(67.9408, 0.2959, 0.5853)

Conversions

Conversions Part 1

Format	Color
Hex	00F92D
RGB	0, 249, 45
RGB Percent	0%, 98%, 18%
CMY	1.0000, 0.0235, 0.8233
CMYK	1.00, 0.00, 0.82, 0.02
HSL	131°, 100%, 49%
HSV	131°, 100%, 98%
XYZ	34.3477, 67.9408, 13.7901
YIQ	151.2930, -82.9200, -116.2320

Conversions

Conversions Part 2

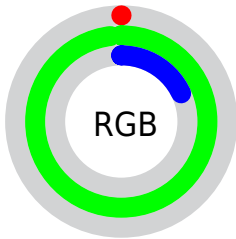
Format	Color
RYB	0, 211, 249
Decimal	63789
CIELab	85.98, -83.41, 75.38
CIELCh	86, 112.430, 137.895
Yxy	67.9408, 0.2959, 0.5853
Android (android.graphics.Color)	4278253869 (0xFF00F92D)
YUV	151.2930, -52.4024, -132.6840
Hunter-Lab	82.4262, -69.8635, 47.7790

Details

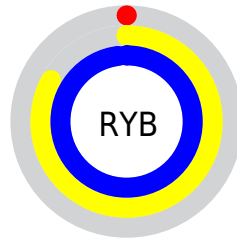
The Yxy color **67.9408, 0.2959, 0.5853** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.4985, 0.3738, 0.1833**, and the grayscale version is **31.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4060, 0.3076, 0.5126**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.9452, 0.2959, 0.5853**, and if you desaturate by 10%, it is **68.3476, 0.2937, 0.5696**.

Distribution



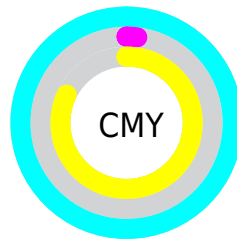
- Red (0%)
- Green (98%)
- Blue (18%)



- Red (0%)
- Yellow (83%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9408, 0.2959, 0.5853 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 67.9408, 0.2959, 0.5853 by changing the saturation by 10% instead.


 67.9408, 0.2959,
0.5853

 67.9408, 0.2959,
0.5853


453.2862, 0.3152,
0.4561


 49.8496, 0.2879,
0.6153


 116.2674, 0.3054,
0.5395


 35.2939, 0.2762,
0.6517


 147.2717, 0.3082,
0.5218


 23.8893, 0.2584,
0.6957


 183.3490, 0.3103,
0.5068

 15.2516, 0.2330,
0.7536

 224.8838, 0.3119,
0.4938

 8.9961, 0.1903,
0.8097

 272.2606, 0.3131,
0.4825

 4.7387, 0.1282,
0.8718

325.8636, 0.3140,

 2.0948, 0.0000,

0.4726

1.0000

386.0774, 0.3147,
0.4639

■ 0.6617, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.9408, 0.2959,
0.5853

■ 67.9408, 0.2959,
0.5853


■ 67.9452, 0.2959,
0.5853

■ 68.3476, 0.2937,
0.5696


■ 69.0977, 0.2922,
0.5479


■ 70.2847, 0.2920,
0.5212


■ 71.9648, 0.2929,
0.4914

 74.1855, 0.2950,
0.4604

 76.9887, 0.2978,
0.4297

 80.4121, 0.3013,
0.4007

 84.4902, 0.3050,
0.3741

 89.2550, 0.3089,
0.3501

Harmonies

Analogous

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



67.9408, 0.4110, 0.5528



67.9408, 0.2959, 0.5853



67.9408, 0.1902, 0.4744

Triad

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



67.9408, 0.2959, 0.5853



67.9408, 0.1243, 0.1543



67.9408, 0.5387, 0.2948

Complementary

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



67.9408, 0.2959, 0.5853



24.4985, 0.3738, 0.1833

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.



67.9408, 0.4177, 0.2250



67.9408, 0.2959, 0.5853



67.9408, 0.1774, 0.1487

Square

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



67.9408, 0.2959, 0.5853



67.9408, 0.1074, 0.1988



67.9408, 0.2771, 0.1731



67.9408, 0.5689, 0.3723

Rectangle

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



67.9408, 0.2959, 0.5853



67.9408, 0.1414, 0.3575



67.9408, 0.2771, 0.1731



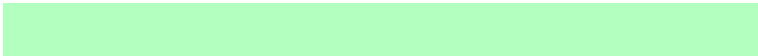
67.9408, 0.5061, 0.2704

Sweetspot

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



67.9452, 0.2959, 0.5853



84.8651, 0.3013, 0.4008



81.0936, 0.3896, 0.5288



17.8207, 0.2998, 0.4128



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.



67.9452, 0.2959, 0.5853



71.7183, 0.2960, 0.5854



70.5087, 0.2567, 0.4440



19.3605, 0.3091, 0.3490



36.3826, 0.2953, 0.5832



3.3832, 0.2899, 0.5635

Inverse Universe

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



24.4985, 0.3738, 0.1833



25.8568, 0.3739, 0.1833



20.7655, 0.5687, 0.2906



17.4675, 0.3166, 0.3098



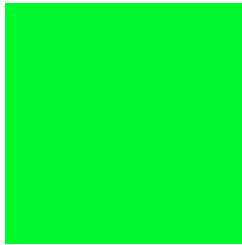
13.1323, 0.3728, 0.1827



1.2299, 0.3655, 0.1787

Previews

White Background



This preview shows how the Yxy color 67.9408, 0.2959, 0.5853 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 67.9408, 0.2959, 0.5853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

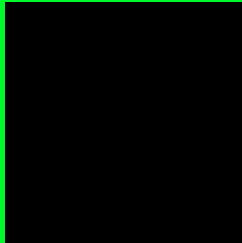
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9408, 0.2959, 0.5853

Background



This preview shows how black text looks on a background with the Yxy color 67.9408, 0.2959, 0.5853.



This preview shows how white text looks on a background with the Yxy color 67.9408, 0.2959, 0.5853.

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

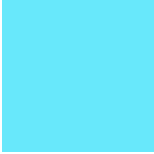
67.9408, 0.2959, 0.5853

Protanopia

66.2351, 0.4367, 0.4818

Deuteranopia

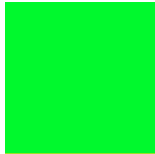
66.3527, 0.4139, 0.4120



Tritanopia

67.6213, 0.2350, 0.3057

Trichromacy



Original Color

67.9408, 0.2959, 0.5853



Protanomaly

61.3115, 0.3582, 0.5396



Deuteranomaly

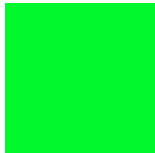
60.2205, 0.3475, 0.4887



Tritanomaly

65.4419, 0.2579, 0.4151

Monochromacy



Original Color

67.9408, 0.2959, 0.5853



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

39.1973, 0.2958, 0.4544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9408, 0.2959, 0.5853 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, 249, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 45)  
}
```

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, 249, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 45) }
```

Border

The CSS property to change the border of an element to Yxy 67.9408, 0.2959, 0.5853 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, 249, 45) }
```

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

```
.border{ border-color:rgb(0, 249, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 249, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 249, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.9408, 0.2959, 0.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 45) }
```

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

```
.background{ background-color: rgb(0, 249,  
45) }
```

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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