

Converting Colors

$Yxy(68.0584, 0.3028, 0.5978)$

Have a look what the booklet for
Yxy(68.0584, 0.3028, 0.5978)
contains.

Yxy(68.0584, 0.3028, 0.5978)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.0584, 0.3028, 0.5978)

Conversions

Conversions Part 1

Format	Color
Hex	20F900
RGB	32, 249, 0
RGB Percent	13%, 98%, 0%
CMY	0.8741, 0.0235, 1.0000
CMYK	0.87, 0.00, 1.00, 0.02
HSL	112°, 100%, 49%
HSV	112°, 100%, 98%
XYZ	34.4732, 68.0584, 11.3165
YIQ	155.7310, -49.4030, -123.4430

Conversions

Conversions Part 2

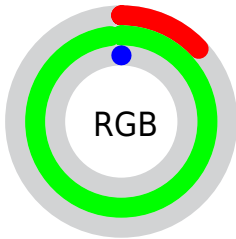
Format	Color
RYB	0, 249, 217
Decimal	2160896
CIELab	86.04, -83.23, 81.89
CIELCh	86, 116.764, 135.466
Yxy	68.0584, 0.3028, 0.5978
Android (android.graphics.Color)	4280350976 (0xFF20F900)
YUV	155.7310, -76.7754, -108.5121
Hunter-Lab	82.4975, -69.7809, 49.6152

Details

The Yxy color **68.0584, 0.3028, 0.5978** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **21.5761, 0.2880, 0.1360**, and the grayscale version is **33.5000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6353, 0.3180, 0.5285**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.0614, 0.3028, 0.5978**, and if you desaturate by 10%, it is **68.6010, 0.3054, 0.5891**.

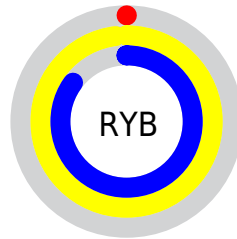
Distribution



Red (13%)

Green (98%)

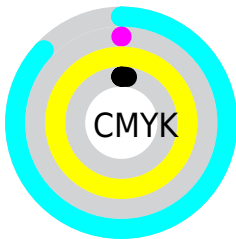
Blue (0%)



Red (0%)

Yellow (98%)

Blue (85%)

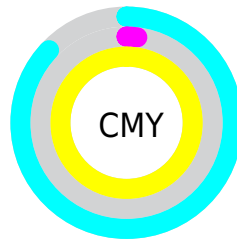


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (87%)


Magenta (2%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0584, 0.3028, 0.5978 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 68.0584, 0.3028, 0.5978 by changing the saturation by 10% instead.


 68.0584, 0.3028,
0.5978


 68.0584, 0.3028,
0.5978


 453.7029, 0.3208,
0.4638


 49.9452, 0.2945,
0.6280


 116.4357, 0.3123,
0.5510


 35.3699, 0.2821,
0.6639


 147.4686, 0.3151,
0.5327

 23.9479, 0.2633,
0.7063


 183.5769, 0.3170,
0.5170

 15.2950, 0.2369,
0.7631

 225.1450, 0.3184,
0.5034

 9.0267, 0.1912,
0.8088

 272.5572, 0.3193,
0.4916

 4.7586, 0.1295,
0.8705


 326.1980, 0.3200,

 2.1063, 0.0000,


0.4812


1.0000

386.4518, 0.3205,
0.4720


 0.6682, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 68.0584, 0.3028,
0.5978


 68.0584, 0.3028,
0.5978


 68.0614, 0.3028,
0.5978


 68.6010, 0.3054,
0.5891

 69.4966, 0.3082,
0.5728


 70.8074, 0.3106,
0.5487


 72.5773, 0.3125,
0.5185

 74.8442, 0.3138,
0.4847

 77.6422, 0.3144,
0.4497

 81.0024, 0.3145,
0.4156

 84.9534, 0.3142,
0.3837

 89.5217, 0.3135,
0.3548

Harmonies

Analogous

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



68.0584, 0.4205, 0.5514



68.0584, 0.3028, 0.5978



68.0584, 0.1930, 0.4950

Triad

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



68.0584, 0.3028, 0.5978



68.0584, 0.1171, 0.1516



68.0584, 0.5395, 0.2866

Complementary

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



68.0584, 0.3028, 0.5978



21.5761, 0.2880, 0.1360

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.



68.0584, 0.4089, 0.2166



68.0584, 0.3028, 0.5978



68.0584, 0.1675, 0.1435

Square

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



68.0584, 0.3028, 0.5978



68.0584, 0.1026, 0.2003



68.0584, 0.2653, 0.1660



68.0584, 0.5778, 0.3642

Rectangle

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



68.0584, 0.3028, 0.5978



68.0584, 0.1409, 0.3721



68.0584, 0.2653, 0.1660



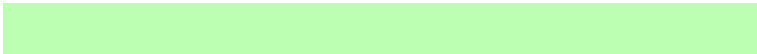
68.0584, 0.5034, 0.2621

Sweetspot

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



68.0614, 0.3028, 0.5978



85.4920, 0.3145, 0.4157



69.1504, 0.4454, 0.4845



17.9626, 0.3145, 0.4299



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.



68.0614, 0.3028, 0.5978



71.8413, 0.3028, 0.5978



68.5132, 0.2849, 0.5455



19.4164, 0.3135, 0.3534



36.4645, 0.3033, 0.5973



3.4098, 0.3091, 0.5928

Inverse Universe

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



21.5761, 0.2880, 0.1360



22.7693, 0.2879, 0.1360



22.5985, 0.4433, 0.2215



17.4044, 0.3117, 0.3055



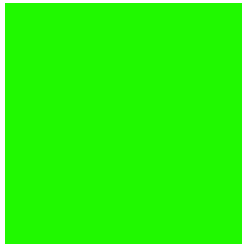
11.5933, 0.2885, 0.1363



1.1044, 0.2926, 0.1386

Previews

White Background



This preview shows how the Yxy color 68.0584, 0.3028, 0.5978 looks on a white background.

Color Contrast Check

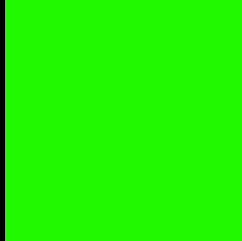
Large Text (above 18pt) WCAG AA × Fail

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 68.0584, 0.3028, 0.5978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

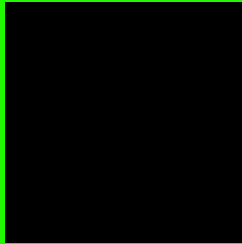
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0584, 0.3028, 0.5978

Background



This preview shows how black text looks on a background with the Yxy color 68.0584, 0.3028, 0.5978.



This preview shows how white text looks on a background with the Yxy color 68.0584, 0.3028, 0.5978.

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

68.0584, 0.3028, 0.5978

Protanopia

66.6184, 0.4401, 0.4888

Deuteranopia

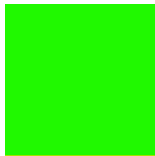
66.3278, 0.4146, 0.4130



Tritanopia

67.2421, 0.2365, 0.3057

Trichromacy



Original Color

68.0584, 0.3028, 0.5978



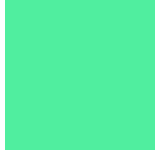
Protanomaly

62.8307, 0.3704, 0.5441



Deuteranomaly

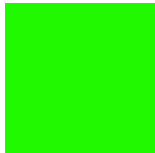
61.2616, 0.3644, 0.4996



Tritanomaly

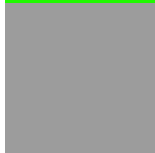
65.3577, 0.2698, 0.4392

Monochromacy



Original Color

68.0584, 0.3028, 0.5978



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

41.1073, 0.3142, 0.4745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0584, 0.3028, 0.5978 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(32, 249, 0)` looks like.

```
.text, #text, p{  
    color:rgb(32, 249, 0)  
}
```

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(32, 249, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 249, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.0584, 0.3028, 0.5978 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(32, 249, 0) }
```

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

```
.border{ border-color:rgb(32, 249, 0) }
```

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

Here you see how a box with a 4 pixel rgb(32, 249, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 249, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 249, 0);  
box-shadow:4px 4px 4px 4px rgb(32, 249, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.0584, 0.3028, 0.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 249, 0) }
```

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

```
.background{ background-color: rgb(32, 249,  
0) }
```

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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