

Converting Colors

$Yxy(68.3402, 0.2993, 0.5976)$

Have a look what the booklet for
Yxy(68.3402, 0.2993, 0.5976)
contains.

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Color

Yxy(68.4029, 0.2993, 0.5975)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00FA0E |
| RGB | 0, 250, 14 |
| RGB Percent | 0%, 98%, 5% |
| CMY | 1.0000, 0.0196, 0.9448 |
| CMYK | 1.00, 0.00, 0.94, 0.02 |
| HSL | 123°, 100%, 49% |
| HSV | 123°, 100%, 98% |
| XYZ | 34.2644, 68.4029, 11.8145 |
| YIQ | 148.3460, -73.2440, -126.3960 |

Conversions

Conversions Part 2

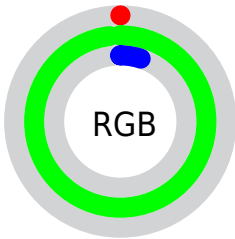
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 237, 250 |
| Decimal | 64014 |
| CIELab | 86.21, -84.70, 80.83 |
| CIELCh | 86, 117.074, 136.339 |
| Yxy | 68.4029, 0.2993, 0.5975 |
| Android (android.graphics.Color) | 4278254094 (0xFF00FA0E) |
| YUV | 148.3460, -66.2326, -130.0994 |
| Hunter-Lab | 82.7060, -70.7845, 49.4247 |

Details

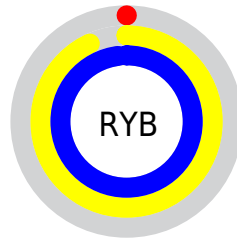
The Yxy color **68.4029, 0.2993, 0.5975** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.3765, 0.3358, 0.1624**, and the grayscale version is **30.0774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1797, 0.3135, 0.5278**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.4062, 0.2993, 0.5975**, and if you desaturate by 10%, it is **68.7189, 0.2989, 0.5879**.

Distribution



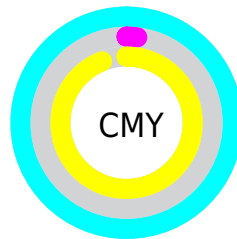
- Red (0%)
- Green (98%)
- Blue (5%)



- Red (0%)
- Yellow (93%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4029, 0.2993, 0.5975 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 68.4029, 0.2993, 0.5975 by changing the saturation by 10% instead.

 68.4029, 0.2993,
0.5975


 68.4029, 0.2993,
0.5975


454.9222, 0.3186,
0.4633


 50.2256, 0.2908,
0.6280

 116.9283, 0.3092,
0.5504


 35.5927, 0.2783,
0.6643


 148.0452, 0.3121,
0.5321

 24.1198, 0.2593,
0.7075


 184.2441, 0.3142,
0.5164

 15.4225, 0.2333,
0.7667

 225.9094, 0.3157,
0.5029

 9.1164, 0.1873,
0.8127

 273.4255, 0.3168,
0.4910

 4.8172, 0.1253,
0.8747


 327.1767, 0.3176,

 2.1404, 0.0000,


0.4806


1.0000


387.5475, 0.3182,
0.4715


 0.6872, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 68.4029, 0.2993,
0.5975


 68.4029, 0.2993,
0.5975


 68.4062, 0.2993,
0.5975


 68.7189, 0.2989,
0.5879


 69.3923, 0.2988,
0.5703


 70.5239, 0.2993,
0.5451

 72.1761, 0.3004,
0.5142

 74.4016, 0.3021,
0.4802

 77.2466, 0.3041,
0.4455

 80.7526, 0.3063,
0.4121

 84.9575, 0.3085,
0.3812

 89.8963, 0.3107,
0.3534

Harmonies

Analogous

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



68.4029, 0.4172, 0.5541



68.4029, 0.2993, 0.5975



68.4029, 0.1901, 0.4901

Triad

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



68.4029, 0.2993, 0.5975



68.4029, 0.1179, 0.1507



68.4029, 0.5424, 0.2887

Complementary

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



68.4029, 0.2993, 0.5975



26.3765, 0.3358, 0.1624

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.



68.4029, 0.4134, 0.2184



68.4029, 0.2993, 0.5975



68.4029, 0.1695, 0.1437

Square

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



68.4029, 0.2993, 0.5975



68.4029, 0.1024, 0.1980



68.4029, 0.2689, 0.1669



68.4029, 0.5775, 0.3666

Rectangle

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



68.4029, 0.2993, 0.5975



68.4029, 0.1390, 0.3669



68.4029, 0.2689, 0.1669



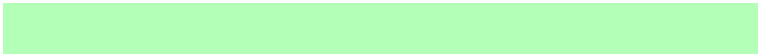
68.4029, 0.5071, 0.2641

Sweetspot

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



68.4062, 0.2993, 0.5975



84.4552, 0.3063, 0.4122



86.4658, 0.4105, 0.5123



17.7272, 0.3054, 0.4260



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.



68.4062, 0.2993, 0.5975



71.5527, 0.2993, 0.5975



70.1949, 0.2685, 0.4865



19.3251, 0.3108, 0.3521



36.2896, 0.2990, 0.5966



3.3664, 0.2967, 0.5881

Inverse Universe

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



26.3765, 0.3358, 0.1624



27.5891, 0.3359, 0.1624



21.5060, 0.5214, 0.2646



17.5067, 0.3147, 0.3069



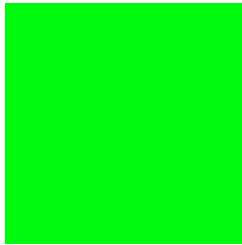
13.9977, 0.3356, 0.1622



1.3014, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 68.4029, 0.2993, 0.5975 looks on a white background.

Color Contrast Check

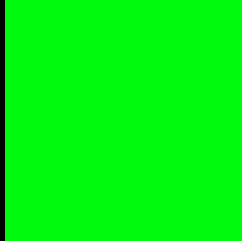
Large Text (above 18pt) WCAG AA × Fail

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 68.4029, 0.2993, 0.5975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

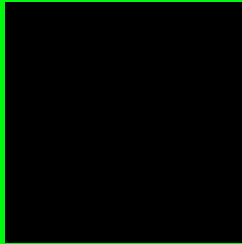
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

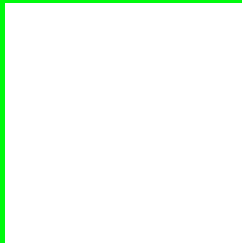
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4029, 0.2993, 0.5975

Background



This preview shows how black text looks on a background with the Yxy color 68.4029, 0.2993, 0.5975.



This preview shows how white text looks on a background with the Yxy color 68.4029, 0.2993, 0.5975.

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

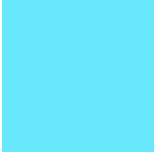
68.4029, 0.2993, 0.5975

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

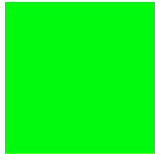
66.8833, 0.4119, 0.4111



Tritanopia

67.6815, 0.2353, 0.3058

Trichromacy



Original Color

68.4029, 0.2993, 0.5975



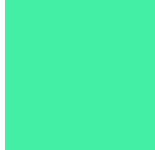
Protanomaly

61.7214, 0.3619, 0.5498



Deuteranomaly

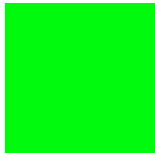
60.5798, 0.3518, 0.4995



Tritanomaly

65.6429, 0.2634, 0.4325

Monochromacy



Original Color

68.4029, 0.2993, 0.5975



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

37.9785, 0.3025, 0.4744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4029, 0.2993, 0.5975 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, 250, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 14)  
}
```

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, 250, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 14) }
```

Border

The CSS property to change the border of an element to Yxy 68.4029, 0.2993, 0.5975 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, 250, 14) }
```

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

```
.border{ border-color:rgb(0, 250, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 14)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.4029, 0.2993, 0.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 14) }
```

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

```
.background{ background-color: rgb(0, 250,  
14) }
```

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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