

Converting Colors

Yxy(68.9313, 0.3043, 0.5947)

Have a look what the booklet for
Yxy(68.9313, 0.3043, 0.5947)
contains.

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Color

Yxy(68.9264, 0.3043, 0.5947)

Conversions

Conversions Part 1

Format	Color
Hex	2CFA09
RGB	44, 250, 9
RGB Percent	17%, 98%, 4%
CMY	0.8281, 0.0196, 0.9642
CMYK	0.82, 0.00, 0.96, 0.02
HSL	111°, 96%, 51%
HSV	111°, 96%, 98%
XYZ	35.2687, 68.9264, 11.7060
YIQ	160.9320, -45.4150, -118.6230

Conversions

Conversions Part 2

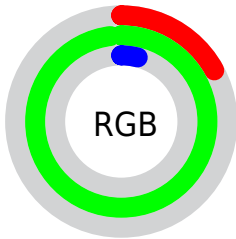
Format	Color
RYB	9, 250, 215
Decimal	2947593
CIELab	86.47, -82.37, 81.57
CIELCh	86, 115.926, 135.281
Yxy	68.9264, 0.3043, 0.5947
Android (android.graphics.Color)	4281137673 (0xFF2CFA09)
YUV	160.9320, -74.9025, -102.5494
Hunter-Lab	83.0219, -69.4594, 49.7555

Details

The Yxy color **68.9264, 0.3043, 0.5947** 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 **21.5921, 0.2854, 0.1356**, and the grayscale version is **35.9631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0561, 0.3199, 0.5251**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.7531, 0.3034, 0.5973**, and if you desaturate by 10%, it is **69.6254, 0.3073, 0.5835**.

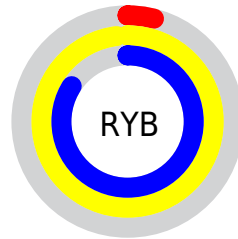
Distribution



Red (17%)

Green (98%)

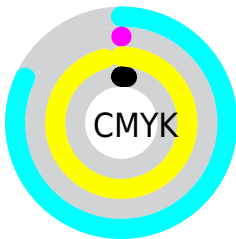
Blue (4%)



Red (4%)

Yellow (98%)

Blue (84%)

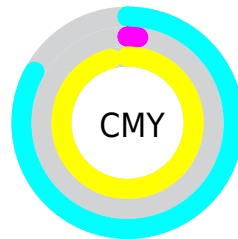


Cyan (82%)

Magenta (0%)

Yellow (96%)

Black (2%)



Cyan (83%)

Magenta (2%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9264, 0.3043, 0.5947 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 68.9264, 0.3043, 0.5947 by changing the saturation by 10% instead.


 68.9264, 0.3043,
0.5947

 68.9264, 0.3043,
0.5947


456.7714, 0.3213,
0.4626

 50.6518, 0.2963,
0.6245


 117.6764, 0.3134,
0.5485


 35.9315, 0.2844,
0.6599


 148.9207, 0.3160,
0.5305


 24.3813, 0.2662,
0.7018


 185.2568, 0.3178,
0.5151

 15.6167, 0.2412,
0.7588

 227.0694, 0.3191,
0.5017

 9.2534, 0.1963,
0.8037

 274.7428, 0.3200,
0.4900

 4.9068, 0.1363,
0.8637


 328.6613, 0.3206,

 2.1927, 0.0000,


0.4798


1.0000


389.2093, 0.3210,
0.4707


 0.7160, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.9264, 0.3043,
0.5947


 68.9264, 0.3043,
0.5947

 68.7531, 0.3034,
0.5973


 69.6254, 0.3073,
0.5835


 70.7030, 0.3102,
0.5641


 72.2094, 0.3125,
0.5376


 74.1848, 0.3142,
0.5059

 76.6646, 0.3151,
0.4715

 79.6808, 0.3153,
0.4368

 83.2625, 0.3151,
0.4035

 87.4369, 0.3144,
0.3727

 92.2294, 0.3134,
0.3450

Harmonies

Analogous

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



68.9264, 0.4211, 0.5493



68.9264, 0.3043, 0.5947



68.9264, 0.1950, 0.4939

Triad

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



68.9264, 0.3043, 0.5947



68.9264, 0.1184, 0.1532



68.9264, 0.5365, 0.2868

Complementary

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



68.9264, 0.3043, 0.5947



21.5921, 0.2854, 0.1356

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.



68.9264, 0.4071, 0.2173



68.9264, 0.3043, 0.5947



68.9264, 0.1683, 0.1449

Square

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



68.9264, 0.3043, 0.5947



68.9264, 0.1041, 0.2021



68.9264, 0.2651, 0.1670



68.9264, 0.5755, 0.3642

Rectangle

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



68.9264, 0.3043, 0.5947



68.9264, 0.1429, 0.3730



68.9264, 0.2651, 0.1670



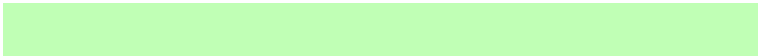
68.9264, 0.5006, 0.2624

Sweetspot

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



68.9293, 0.3043, 0.5947



86.0266, 0.3152, 0.4122



68.3763, 0.4472, 0.4816



18.0699, 0.3153, 0.4265



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.



68.9293, 0.3043, 0.5947



71.9087, 0.3033, 0.5974



69.2343, 0.2848, 0.5433



19.4292, 0.3137, 0.3534



36.5019, 0.3040, 0.5968



3.4158, 0.3102, 0.5919

Inverse Universe

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



21.5921, 0.2854, 0.1356



22.1639, 0.2840, 0.1338



23.2659, 0.4310, 0.2162



17.3904, 0.3115, 0.3055



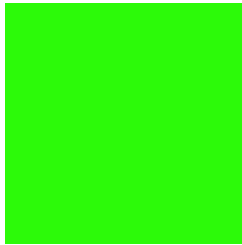
11.2907, 0.2847, 0.1342



1.0793, 0.2893, 0.1367

Previews

White Background



This preview shows how the Yxy color 68.9264, 0.3043, 0.5947 looks on a white background.

Color Contrast Check

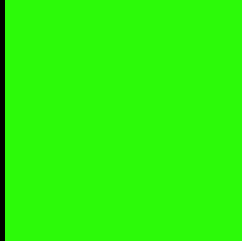
Large Text (above 18pt) WCAG AA × Fail

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 68.9264, 0.3043, 0.5947 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 68.9264, 0.3043, 0.5947

Background



This preview shows how black text looks on a background with the Yxy color 68.9264, 0.3043, 0.5947.



This preview shows how white text looks on a background with the Yxy color 68.9264, 0.3043, 0.5947.

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

68.9264, 0.3043, 0.5947

Protanopia

67.4781, 0.4408, 0.4882

Deuteranopia

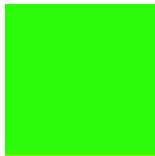
66.9349, 0.4106, 0.4093



Tritanopia

68.1230, 0.2378, 0.3059

Trichromacy



Original Color

68.9264, 0.3043, 0.5947



Protanomaly

64.0394, 0.3742, 0.5405



Deuteranomaly

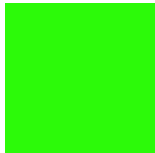
62.3476, 0.3645, 0.4932



Tritanomaly

66.4036, 0.2705, 0.4337

Monochromacy



Original Color

68.9264, 0.3043, 0.5947



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

43.0321, 0.3148, 0.4648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9264, 0.3043, 0.5947 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(44, 250, 9)` looks like.

```
.text, #text, p{  
    color:rgb(44, 250, 9)  
}
```

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(44, 250, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 250, 9) }
```

Border

The CSS property to change the border of an element to Yxy 68.9264, 0.3043, 0.5947 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(44, 250, 9) }
```

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

```
.border{ border-color:rgb(44, 250, 9) }
```

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

Here you see how a box with a 4 pixel rgb(44, 250, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 250, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 250, 9);  
box-shadow:4px 4px 4px 4px rgb(44, 250, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.9264, 0.3043, 0.5947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 250, 9) }
```

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

```
.background{ background-color: rgb(44, 250,  
9) }
```

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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