

Converting Colors

Yxy(68.4401, 0.3061, 0.5950)

Have a look what the booklet for
Yxy(68.4401, 0.3061, 0.5950)
contains.

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Color

Yxy(68.4317, 0.3060, 0.5950)

Conversions

Conversions Part 1

Format	Color
Hex	32F901
RGB	50, 249, 1
RGB Percent	20%, 98%, 0%
CMY	0.8043, 0.0235, 0.9954
CMYK	0.80, 0.00, 1.00, 0.02
HSL	108°, 99%, 49%
HSV	108°, 100%, 98%
XYZ	35.1934, 68.4317, 11.3861
YIQ	161.2270, -38.9960, -119.3160

Conversions

Conversions Part 2

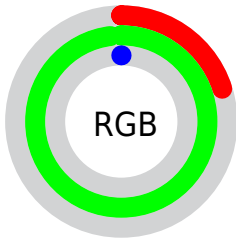
Format	Color
RYB	1, 249, 200
Decimal	3340545
CIELab	86.22, -81.57, 82.02
CIELCh	86, 115.675, 134.843
Yxy	68.4317, 0.3060, 0.5950
Android (android.graphics.Color)	4281530625 (0xFF32F901)
YUV	161.2270, -78.9919, -97.5461
Hunter-Lab	82.7235, -68.8259, 49.7457

Details

The Yxy color **68.4317, 0.3060, 0.5950** 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 **19.1823, 0.2709, 0.1267**, and the grayscale version is **36.1369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1809, 0.3216, 0.5263**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.4085, 0.3058, 0.5954**, and if you desaturate by 10%, it is **69.1298, 0.3097, 0.5853**.

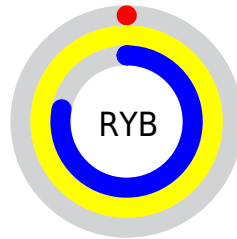
Distribution



Red (20%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (78%)

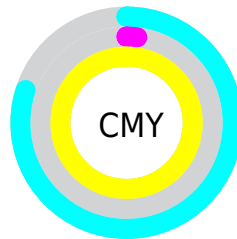


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (80%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4317, 0.3060, 0.5950 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 68.4317, 0.3060, 0.5950 by changing the saturation by 10% instead.


 68.4317, 0.3060,
0.5950

 68.4317, 0.3060,
0.5950


455.0240, 0.3224,
0.4629


 50.2490, 0.2981,
0.6247


 116.9695, 0.3149,
0.5489

 35.6113, 0.2862,
0.6600


 148.0934, 0.3175,
0.5309


 24.1341, 0.2680,
0.7016

 184.2999, 0.3192,
0.5154

 15.4332, 0.2426,
0.7574

 225.9733, 0.3204,
0.5020

 9.1240, 0.1977,
0.8023

 273.4980, 0.3212,
0.4903

 4.8221, 0.1374,
0.8626

 327.2584, 0.3218,

 2.1433, 0.0000,

0.4800

1.0000

387.6390, 0.3221,
0.4710

■ 0.6888, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4317, 0.3060,
0.5950

■ 68.4317, 0.3060,
0.5950


■ 68.4085, 0.3058,
0.5954


■ 69.1298, 0.3097,
0.5853


■ 70.1642, 0.3133,
0.5682

■ 71.5858, 0.3160,
0.5439


■ 73.4307, 0.3178,
0.5140

 75.7308, 0.3186,
0.4808

 78.5146, 0.3185,
0.4466

 81.8082, 0.3176,
0.4132

 85.6360, 0.3163,
0.3820

 90.0204, 0.3145,
0.3534

Harmonies

Analogous

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



68.4317, 0.4228, 0.5481



68.4317, 0.3060, 0.5950



68.4317, 0.1964, 0.4964

Triad

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



68.4317, 0.3060, 0.5950



68.4317, 0.1179, 0.1535



68.4317, 0.5352, 0.2857

Complementary

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



68.4317, 0.3060, 0.5950



19.1823, 0.2709, 0.1267

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.



68.4317, 0.4049, 0.2163



68.4317, 0.3060, 0.5950



68.4317, 0.1672, 0.1447

Square

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



68.4317, 0.3060, 0.5950



68.4317, 0.1041, 0.2032



68.4317, 0.2633, 0.1664



68.4317, 0.5758, 0.3630

Rectangle

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



68.4317, 0.3060, 0.5950



68.4317, 0.1437, 0.3756



68.4317, 0.2633, 0.1664



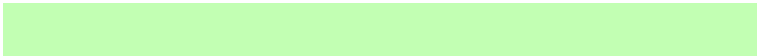
68.4317, 0.4988, 0.2614

Sweetspot

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



68.4346, 0.3060, 0.5950



86.1634, 0.3177, 0.4149



61.1932, 0.4602, 0.4725



18.1165, 0.3181, 0.4288



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.



68.4346, 0.3060, 0.5950



72.2017, 0.3058, 0.5954



68.2791, 0.2895, 0.5618



19.4735, 0.3145, 0.3533



36.6615, 0.3066, 0.5948



3.4373, 0.3138, 0.5890

Inverse Universe

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



19.1823, 0.2709, 0.1267



20.1789, 0.2706, 0.1264



23.2481, 0.4161, 0.2068



17.3421, 0.3106, 0.3054



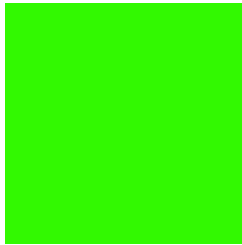
10.2975, 0.2715, 0.1269



0.9962, 0.2777, 0.1304

Previews

White Background



This preview shows how the Yxy color 68.4317, 0.3060, 0.5950 looks on a white background.

Color Contrast Check

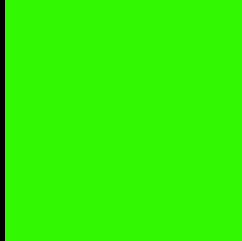
Large Text (above 18pt) WCAG AA × Fail

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 68.4317, 0.3060, 0.5950 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 68.4317, 0.3060, 0.5950

Background



This preview shows how black text looks on a background with the Yxy color 68.4317, 0.3060, 0.5950.



This preview shows how white text looks on a background with the Yxy color 68.4317, 0.3060, 0.5950.

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

68.4317, 0.3060, 0.5950

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

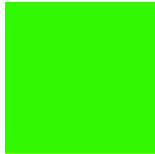
66.8578, 0.4126, 0.4121



Tritanopia

67.5647, 0.2383, 0.3058

Trichromacy



Original Color

68.4317, 0.3060, 0.5950



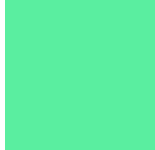
Protanomaly

63.7088, 0.3765, 0.5392



Deuteranomaly

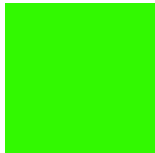
62.5104, 0.3682, 0.4966



Tritanomaly

65.8608, 0.2728, 0.4367

Monochromacy



Original Color

68.4317, 0.3060, 0.5950



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

43.1841, 0.3189, 0.4683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4317, 0.3060, 0.5950 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(50, 249, 1)` looks like.

```
.text, #text, p{  
    color:rgb(50, 249, 1)  
}
```

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(50, 249, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 249, 1) }
```

Border

The CSS property to change the border of an element to Yxy 68.4317, 0.3060, 0.5950 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(50, 249, 1) }
```

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

```
.border{ border-color:rgb(50, 249, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 249, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 249, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 249, 1);  
box-shadow:4px 4px 4px 4px rgb(50, 249, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.4317, 0.3060, 0.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 249, 1) }
```

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

```
.background{ background-color: rgb(50, 249,  
1) }
```

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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