

Converting Colors

$Y_{xy}(66.2804, 0.3101, 0.5920)$

Have a look what the booklet for
Yxy(66.2804, 0.3101, 0.5920)
contains.

Yxy(66.3948, 0.3100, 0.5920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.3948, 0.3100, 0.5920)

Conversions

Conversions Part 1

Format	Color
Hex	40F500
RGB	64, 245, 0
RGB Percent	25%, 96%, 0%
CMY	0.7491, 0.0392, 0.9988
CMYK	0.74, 0.00, 1.00, 0.04
HSL	104°, 100%, 48%
HSV	104°, 100%, 96%
XYZ	34.7675, 66.3948, 10.9910
YIQ	162.9510, -29.2310, -114.5670

Conversions

Conversions Part 2

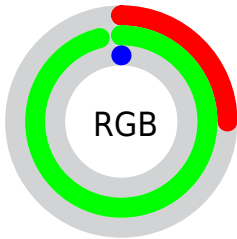
Format	Color
RYB	0, 245, 181
Decimal	4257024
CIELab	85.20, -78.61, 81.36
CIELCh	85, 113.128, 134.016
Yxy	66.3948, 0.3100, 0.5920
Android (android.graphics.Color)	4282447104 (0xFF40F500)
YUV	162.9510, -80.3348, -86.7800
Hunter-Lab	81.4830, -66.4320, 49.0406

Details

The Yxy color **66.3948, 0.3100, 0.5920** 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 **16.4630, 0.2548, 0.1178**, and the grayscale version is **37.0158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7472, 0.3257, 0.5248**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.3891, 0.3099, 0.5921**, and if you desaturate by 10%, it is **67.1756, 0.3146, 0.5818**.

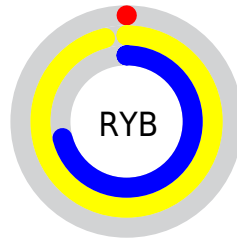
Distribution



Red (25%)

Green (96%)

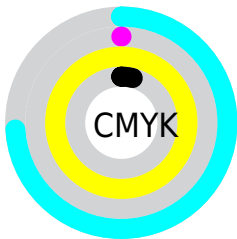
Blue (0%)



Red (0%)

Yellow (96%)

Blue (71%)

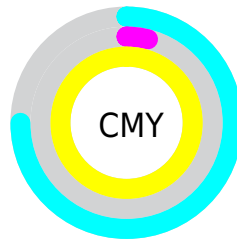


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (75%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3948, 0.3100, 0.5920 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 66.3948, 0.3100, 0.5920 by changing the saturation by 10% instead.

 66.3948, 0.3100,
0.5920

 66.3948, 0.3100,
0.5920


447.7875, 0.3244,
0.4611

 48.5930, 0.3025,
0.6215


 114.0528, 0.3183,
0.5462


 34.2967, 0.2909,
0.6565


 144.6777, 0.3205,
0.5284

 23.1216, 0.2730,
0.6979


 180.3458, 0.3220,
0.5131

 14.6833, 0.2474,
0.7526

 221.4415, 0.3230,
0.4998

 8.5975, 0.2023,
0.7977

 268.3491, 0.3237,
0.4882

 4.4796, 0.1405,
0.8595

 321.4530, 0.3241,

 1.9453, 0.0000,

0.4781

1.0000

381.1377, 0.3243,
0.4691

■ 0.5754, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.3948, 0.3100,
0.5920

■ 66.3948, 0.3100,
0.5920


■ 66.3891, 0.3099,
0.5921

■ 67.1756, 0.3146,
0.5818


■ 68.2547, 0.3186,
0.5648


■ 69.6763, 0.3215,
0.5410


■ 71.4703, 0.3230,
0.5119

 73.6631, 0.3233,
0.4796

 76.2782, 0.3224,
0.4462

 79.3373, 0.3207,
0.4135

 82.8606, 0.3183,
0.3826

 86.8670, 0.3156,
0.3542

Harmonies

Analogous

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



66.3948, 0.4257, 0.5441



66.3948, 0.3100, 0.5920



66.3948, 0.2005, 0.4986

Triad

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



66.3948, 0.3100, 0.5920



66.3948, 0.1186, 0.1558



66.3948, 0.5301, 0.2844

Complementary

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



66.3948, 0.3100, 0.5920



16.4630, 0.2548, 0.1178

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.



66.3948, 0.3998, 0.2157



66.3948, 0.3100, 0.5920



66.3948, 0.1666, 0.1460

Square

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



66.3948, 0.3100, 0.5920



66.3948, 0.1058, 0.2068



66.3948, 0.2606, 0.1668



66.3948, 0.5735, 0.3612

Rectangle

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



66.3948, 0.3100, 0.5920



66.3948, 0.1471, 0.3801



66.3948, 0.2606, 0.1668



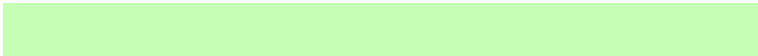
66.3948, 0.4933, 0.2602

Sweetspot

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



66.3976, 0.3100, 0.5920



86.8158, 0.3207, 0.4141



51.9569, 0.4769, 0.4595



18.2670, 0.3216, 0.4278



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.



66.3976, 0.3100, 0.5920



72.6908, 0.3098, 0.5922



65.6087, 0.2934, 0.5763



18.6804, 0.3155, 0.3532



35.8202, 0.3109, 0.5914



3.1958, 0.3196, 0.5845

Inverse Universe

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



16.4630, 0.2548, 0.1178



17.9929, 0.2546, 0.1176



23.0470, 0.3917, 0.1932



16.5386, 0.3096, 0.3054



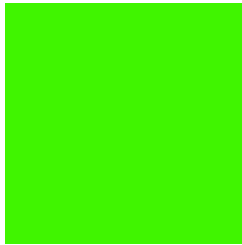
8.9299, 0.2558, 0.1183



0.8341, 0.2643, 0.1230

Previews

White Background



This preview shows how the Yxy color 66.3948, 0.3100, 0.5920 looks on a white background.

Color Contrast Check

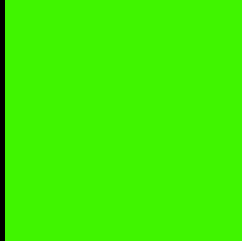
Large Text (above 18pt) WCAG AA × Fail

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 66.3948, 0.3100, 0.5920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

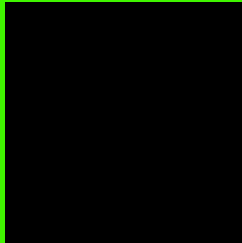
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3948, 0.3100, 0.5920

Background



This preview shows how black text looks on a background with the Yxy color 66.3948, 0.3100, 0.5920.



This preview shows how white text looks on a background with the Yxy color 66.3948, 0.3100, 0.5920.

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

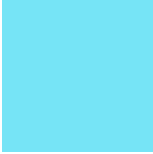
66.3948, 0.3100, 0.5920

Protanopia

64.7657, 0.4411, 0.4879

Deuteranopia

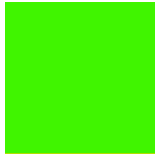
64.6488, 0.4237, 0.4199



Tritanopia

65.9922, 0.2411, 0.3069

Trichromacy



Original Color

66.3948, 0.3100, 0.5920



Protanomaly

61.8893, 0.3813, 0.5355



Deuteranomaly

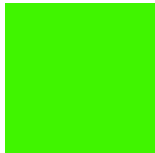
61.0368, 0.3784, 0.4971



Tritanomaly

63.8766, 0.2767, 0.4360

Monochromacy



Original Color

66.3948, 0.3100, 0.5920



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.6514, 0.3229, 0.4649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3948, 0.3100, 0.5920 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(64, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 245, 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(64, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.3948, 0.3100, 0.5920 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(64, 245, 0) }
```

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

```
.border{ border-color:rgb(64, 245, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 245, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 66.3948, 0.3100, 0.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 245, 0) }
```

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

```
.background{ background-color: rgb(64, 245,  
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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