

Converting Colors

$Y_{xy}(65.2259, 0.3081, 0.5936)$

Have a look what the booklet for
Yxy(65.2259, 0.3081, 0.5936)
contains.

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Color

Yxy(64.9710, 0.3082, 0.5935)

Conversions

Conversions Part 1

Format	Color
Hex	39F300
RGB	57, 243, 0
RGB Percent	22%, 95%, 0%
CMY	0.7764, 0.0470, 1.0000
CMYK	0.77, 0.00, 1.00, 0.05
HSL	106°, 100%, 48%
HSV	106°, 100%, 95%
XYZ	33.7389, 64.9710, 10.7610
YIQ	159.6840, -32.8530, -115.0050

Conversions

Conversions Part 2

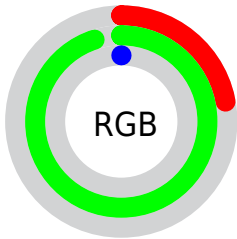
Format	Color
RYB	0, 243, 186
Decimal	3797760
CIELab	84.47, -79.03, 80.75
CIELCh	84, 112.990, 134.382
Yxy	64.9710, 0.3082, 0.5935
Android (android.graphics.Color)	4281987840 (0xFF39F300)
YUV	159.6840, -78.7242, -90.0539
Hunter-Lab	80.6046, -66.3427, 48.5078

Details

The Yxy color **64.9710, 0.3082, 0.5935** 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 **16.9071, 0.2611, 0.1212**, and the grayscale version is **35.3867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4091, 0.3235, 0.5262**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.9738, 0.3082, 0.5935**, and if you desaturate by 10%, it is **65.6915, 0.3124, 0.5836**.

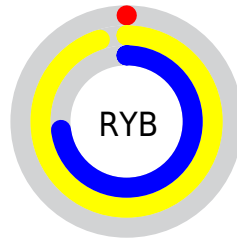
Distribution



Red (22%)

Green (95%)

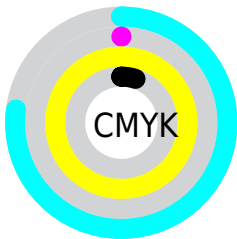
Blue (0%)



Red (0%)

Yellow (95%)

Blue (73%)

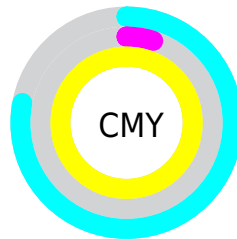


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (78%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9710, 0.3082, 0.5935 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 64.9710, 0.3082, 0.5935 by changing the saturation by 10% instead.


 64.9710, 0.3082,
0.5935


 64.9710, 0.3082,
0.5935


442.6877, 0.3235,
0.4612

 47.4376, 0.3004,
0.6235


 112.0082, 0.3169,
0.5471

 33.3817, 0.2884,
0.6592


 142.2807, 0.3192,
0.5290


 22.4190, 0.2699,
0.7013


 177.5683, 0.3208,
0.5136

 14.1651, 0.2433,
0.7567

 218.2556, 0.3219,
0.5002

 8.2356, 0.1970,
0.8030

 264.7267, 0.3226,
0.4885

 4.2461, 0.1319,
0.8681

 317.3662, 0.3231,

 1.8121, 0.0000,

0.4783

1.0000

376.5584, 0.3234,
0.4692

■ 0.4947, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9710, 0.3082,
0.5935

■ 64.9710, 0.3082,
0.5935


■ 64.9738, 0.3082,
0.5935

■ 65.6915, 0.3124,
0.5836

■ 66.7130, 0.3163,
0.5667


■ 68.0816, 0.3192,
0.5428


■ 69.8287, 0.3209,
0.5134

 71.9814, 0.3214,
0.4808

 74.5645, 0.3209,
0.4472

 77.6006, 0.3195,
0.4142

 81.1106, 0.3175,
0.3831

 85.1141, 0.3152,
0.3546

Harmonies

Analogous

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



64.9710, 0.4244, 0.5459



64.9710, 0.3082, 0.5935



64.9710, 0.1986, 0.4978

Triad

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



64.9710, 0.3082, 0.5935



64.9710, 0.1182, 0.1547



64.9710, 0.5325, 0.2850

Complementary

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



64.9710, 0.3082, 0.5935



16.9071, 0.2611, 0.1212

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.



64.9710, 0.4021, 0.2159



64.9710, 0.3082, 0.5935



64.9710, 0.1668, 0.1454

Square

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



64.9710, 0.3082, 0.5935



64.9710, 0.1050, 0.2052



64.9710, 0.2618, 0.1666



64.9710, 0.5746, 0.3620

Rectangle

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



64.9710, 0.3082, 0.5935



64.9710, 0.1455, 0.3781



64.9710, 0.2618, 0.1666



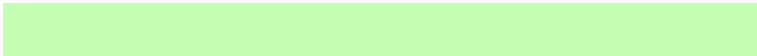
64.9710, 0.4958, 0.2607

Sweetspot

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



64.9738, 0.3082, 0.5935



86.5511, 0.3195, 0.4144



52.6146, 0.4728, 0.4628



18.2059, 0.3202, 0.4282



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.



64.9738, 0.3082, 0.5935



72.4758, 0.3081, 0.5936



64.4373, 0.2926, 0.5732



18.6597, 0.3151, 0.3532



35.7096, 0.3090, 0.5928



3.1836, 0.3174, 0.5862

Inverse Universe

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



16.9071, 0.2611, 0.1212



18.8428, 0.2610, 0.1211



22.4431, 0.3978, 0.1965



16.5609, 0.3100, 0.3054



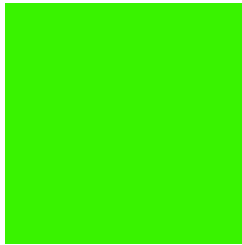
9.3434, 0.2621, 0.1218



0.8674, 0.2698, 0.1260

Previews

White Background



This preview shows how the Yxy color 64.9710, 0.3082, 0.5935 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 64.9710, 0.3082, 0.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

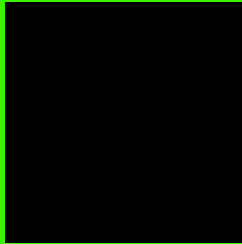
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9710, 0.3082, 0.5935

Background



This preview shows how black text looks on a background with the Yxy color 64.9710, 0.3082, 0.5935.



This preview shows how white text looks on a background with the Yxy color 64.9710, 0.3082, 0.5935.

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

64.9710, 0.3082, 0.5935

Protanopia

63.2631, 0.4405, 0.4884

Deuteranopia

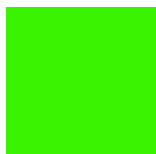
63.4694, 0.4326, 0.4280



Tritanopia

64.5018, 0.2399, 0.3066

Trichromacy



Original Color

64.9710, 0.3082, 0.5935



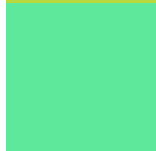
Protanomaly

60.2590, 0.3786, 0.5376



Deuteranomaly

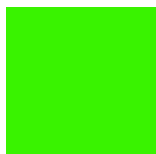
59.5379, 0.3801, 0.5031



Tritanomaly

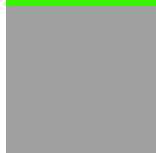
62.4069, 0.2754, 0.4374

Monochromacy



Original Color

64.9710, 0.3082, 0.5935



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.9972, 0.3215, 0.4660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9710, 0.3082, 0.5935 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(57, 243, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 243, 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(57, 243, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 243, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.9710, 0.3082, 0.5935 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(57, 243, 0) }
```

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

```
.border{ border-color:rgb(57, 243, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 243, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 243, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 243, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 243, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.9710, 0.3082, 0.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 243, 0) }
```

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

```
.background{ background-color: rgb(57, 243,  
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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