

Converting Colors

$Y_{xy}(64.0126, 0.3176, 0.5860)$

Have a look what the booklet for
Yxy(64.0126, 0.3176, 0.5860)
contains.

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Color

Yxy(64.2050, 0.3177, 0.5859)

Conversions

Conversions Part 1

Format	Color
Hex	54F000
RGB	84, 240, 0
RGB Percent	33%, 94%, 0%
CMY	0.6707, 0.0588, 0.9991
CMYK	0.65, 0.00, 1.00, 0.06
HSL	99°, 100%, 47%
HSV	99°, 100%, 94%
XYZ	34.8147, 64.2050, 10.5639
YIQ	165.9960, -15.9360, -107.7120

Conversions

Conversions Part 2

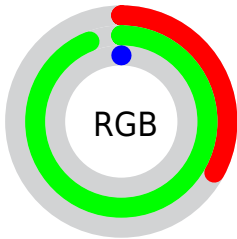
Format	Color
RYB	0, 240, 156
Decimal	5566464
CIELab	84.07, -73.60, 80.64
CIELCh	84, 109.175, 132.386
Yxy	64.2050, 0.3177, 0.5859
Android (android.graphics.Color)	4283756544 (0xFF54F000)
YUV	165.9960, -81.8360, -71.9105
Hunter-Lab	80.1280, -62.6679, 48.2730

Details

The Yxy color **64.2050, 0.3177, 0.5859** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated green. A complement of this color would be **13.3934, 0.2334, 0.1060**, and the grayscale version is **38.5504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9336, 0.3332, 0.5202**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.1999, 0.3176, 0.5860**, and if you desaturate by 10%, it is **65.0766, 0.3230, 0.5752**.

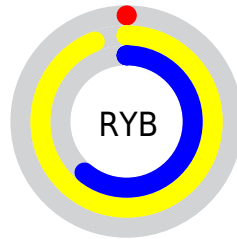
Distribution



Red (33%)

Green (94%)

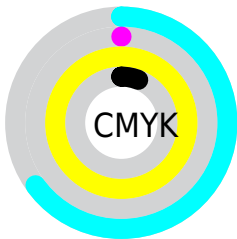
Blue (0%)



Red (0%)

Yellow (94%)

Blue (61%)

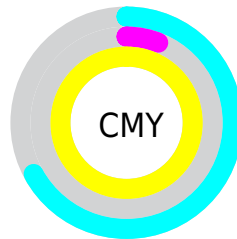


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (67%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2050, 0.3177, 0.5859 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 64.2050, 0.3177, 0.5859 by changing the saturation by 10% instead.


 64.2050, 0.3177,
0.5859

 64.2050, 0.3177,
0.5859


439.9296, 0.3282,
0.4580


 46.8167, 0.3110,
0.6147


 110.9061, 0.3247,
0.5412

 32.8908, 0.3003,
0.6488


 140.9878, 0.3264,
0.5238


 22.0428, 0.2834,
0.6891


 176.0693, 0.3274,
0.5088

 13.8884, 0.2585,
0.7415

 216.5352, 0.3280,
0.4959

 8.0431, 0.2138,
0.7862

 262.7697, 0.3283,
0.4846

 4.1225, 0.1515,
0.8485

 315.1574, 0.3284,

 1.7423, 0.0000,

0.4746

1.0000

374.0825, 0.3284,
0.4658

■ 0.4508, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2050, 0.3177,
0.5859

■ 64.2050, 0.3177,
0.5859

■ 64.1999, 0.3176,
0.5860

■ 65.0766, 0.3230,
0.5752

■ 66.1981, 0.3273,
0.5584

■ 67.6063, 0.3299,
0.5353

■ 69.3248, 0.3309,
0.5073

■ 71.3742, 0.3302,
0.4762

■ 73.7728, 0.3281,
0.4441

■ 76.5379, 0.3250,
0.4123

■ 79.6851, 0.3212,
0.3821

■ 83.2292, 0.3170,
0.3542

Harmonies

Analogous

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



64.2050, 0.4311, 0.5363



64.2050, 0.3177, 0.5859



64.2050, 0.2086, 0.5023

Triad

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



64.2050, 0.3177, 0.5859



64.2050, 0.1200, 0.1604



64.2050, 0.5199, 0.2819

Complementary

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



64.2050, 0.3177, 0.5859



13.3934, 0.2334, 0.1060

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.



64.2050, 0.3901, 0.2146



64.2050, 0.3177, 0.5859



64.2050, 0.1656, 0.1487

Square

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



64.2050, 0.3177, 0.5859



64.2050, 0.1093, 0.2140



64.2050, 0.2556, 0.1676



64.2050, 0.5687, 0.3578

Rectangle

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



64.2050, 0.3177, 0.5859



64.2050, 0.1540, 0.3886



64.2050, 0.2556, 0.1676



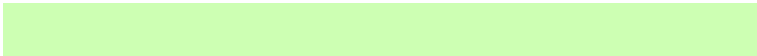
64.2050, 0.4825, 0.2581

Sweetspot

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



64.2077, 0.3177, 0.5859



87.7638, 0.3250, 0.4130



42.3338, 0.4992, 0.4417



18.4873, 0.3265, 0.4263



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.



64.2077, 0.3177, 0.5859



73.6458, 0.3174, 0.5862



62.4543, 0.2970, 0.5891



17.9247, 0.3168, 0.3530



35.2087, 0.3187, 0.5851



2.9825, 0.3288, 0.5771

Inverse Universe

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



13.3934, 0.2334, 0.1060



15.3226, 0.2331, 0.1058



22.8933, 0.3636, 0.1777



15.7392, 0.3082, 0.3053



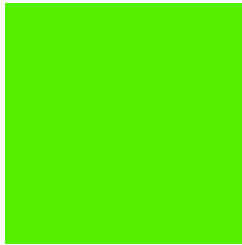
7.4007, 0.2347, 0.1067



0.6708, 0.2461, 0.1129

Previews

White Background



This preview shows how the Yxy color 64.2050, 0.3177, 0.5859 looks on a white background.

Color Contrast Check

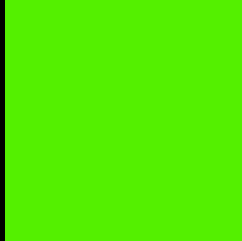
Large Text (above 18pt) WCAG AA × Fail

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 64.2050, 0.3177, 0.5859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

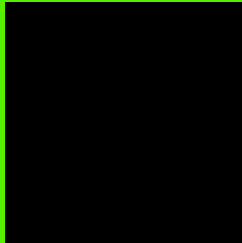
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

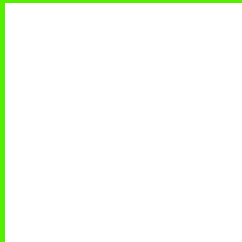
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2050, 0.3177, 0.5859

Background



This preview shows how black text looks on a background with the Yxy color 64.2050, 0.3177, 0.5859.



This preview shows how white text looks on a background with the Yxy color 64.2050, 0.3177, 0.5859.

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

64.2050, 0.3177, 0.5859

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

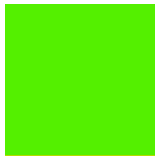
62.8972, 0.4368, 0.4318



Tritanopia

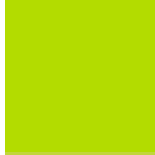
63.6383, 0.2459, 0.3067

Trichromacy



Original Color

64.2050, 0.3177, 0.5859



Protanomaly

60.7701, 0.3864, 0.5314



Deuteranomaly

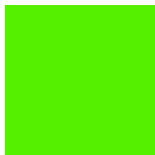
59.7464, 0.3910, 0.4988



Tritanomaly

61.7180, 0.2840, 0.4347

Monochromacy



Original Color

64.2050, 0.3177, 0.5859



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.4148, 0.3289, 0.4590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2050, 0.3177, 0.5859 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(84, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 240, 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(84, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.2050, 0.3177, 0.5859 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(84, 240, 0) }
```

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

```
.border{ border-color:rgb(84, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(84, 240, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.2050, 0.3177, 0.5859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 240, 0) }
```

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

```
.background{ background-color: rgb(84, 240,  
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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