

Converting Colors

Yxy(64.9196, 0.3111, 0.5883)

Have a look what the booklet for
Yxy(64.9196, 0.3111, 0.5883)
contains.

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Color

Yxy(64.7985, 0.3112, 0.5882)

Conversions

Conversions Part 1

Format	Color
Hex	45F20D
RGB	69, 242, 13
RGB Percent	27%, 95%, 5%
CMY	0.7291, 0.0510, 0.9488
CMYK	0.71, 0.00, 0.95, 0.05
HSL	105°, 90%, 50%
HSV	105°, 95%, 95%
XYZ	34.2831, 64.7985, 11.0825
YIQ	164.1670, -29.5990, -107.8950

Conversions

Conversions Part 2

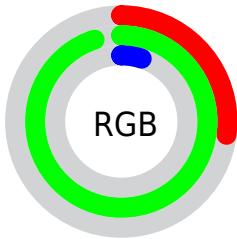
Format	Color
RYB	13, 242, 186
Decimal	4583949
CIELab	84.38, -76.75, 79.69
CIELCh	84, 110.640, 133.925
Yxy	64.7985, 0.3112, 0.5882
Android (android.graphics.Color)	4282774029 (0xFF45F20D)
YUV	164.1670, -74.5253, -83.4615
Hunter-Lab	80.4975, -64.8494, 48.1855

Details

The Yxy color **64.7985, 0.3112, 0.5882** 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 **17.1387, 0.2621, 0.1233**, and the grayscale version is **37.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0611, 0.3264, 0.5211**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.4401, 0.3089, 0.5930**, and if you desaturate by 10%, it is **65.6826, 0.3155, 0.5747**.

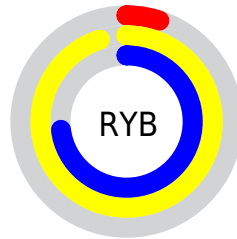
Distribution



Red (27%)

Green (95%)

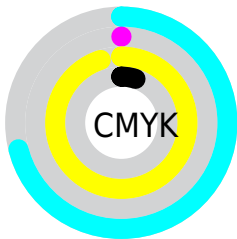
Blue (5%)



Red (5%)

Yellow (95%)

Blue (73%)

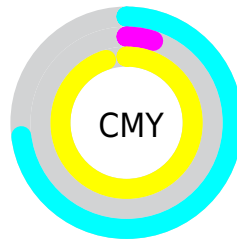


Cyan (71%)

Magenta (0%)

Yellow (95%)

Black (5%)



Cyan (73%)


Magenta (5%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7985, 0.3112, 0.5882 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 64.7985, 0.3112, 0.5882 by changing the saturation by 10% instead.


 64.7985, 0.3112,
0.5882


 64.7985, 0.3112,
0.5882

442.0675, 0.3246,
0.4586


 47.2977, 0.3039,
0.6176


 111.7601, 0.3191,
0.5427


 33.2711, 0.2927,
0.6528


 141.9897, 0.3212,
0.5250


 22.3342, 0.2751,
0.6943


 177.2311, 0.3226,
0.5099

 14.1027, 0.2499,
0.7501

 217.8685, 0.3235,
0.4968

 8.1921, 0.2044,
0.7956

 264.2865, 0.3241,
0.4853

 4.2181, 0.1409,
0.8591

 316.8694, 0.3244,

 1.7963, 0.0000,

0.4753

1.0000

376.0016, 0.3246,
0.4665

■ 0.4849, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7985, 0.3112,
0.5882

■ 64.7985, 0.3112,
0.5882

■ 64.4401, 0.3089,
0.5930


■ 65.6826, 0.3155,
0.5747

■ 66.8878, 0.3189,
0.5539


■ 68.4492, 0.3211,
0.5269

■ 70.3948, 0.3221,
0.4956

 72.7495, 0.3219,
0.4623

 75.5360, 0.3207,
0.4290

 78.7754, 0.3189,
0.3970

 82.4870, 0.3166,
0.3673

 86.6893, 0.3140,
0.3404

Harmonies

Analogous

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



64.7985, 0.4258, 0.5420



64.7985, 0.3112, 0.5882



64.7985, 0.2024, 0.4963

Triad

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



64.7985, 0.3112, 0.5882



64.7985, 0.1202, 0.1577



64.7985, 0.5269, 0.2851

Complementary

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



64.7985, 0.3112, 0.5882



17.1387, 0.2621, 0.1233

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.



64.7985, 0.3983, 0.2168



64.7985, 0.3112, 0.5882



64.7985, 0.1679, 0.1477

Square

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



64.7985, 0.3112, 0.5882



64.7985, 0.1077, 0.2087



64.7985, 0.2610, 0.1683



64.7985, 0.5706, 0.3615

Rectangle

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



64.7985, 0.3112, 0.5882



64.7985, 0.1493, 0.3801



64.7985, 0.2610, 0.1683



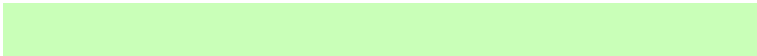
64.7985, 0.4905, 0.2610

Sweetspot

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



64.8012, 0.3112, 0.5882



87.3908, 0.3196, 0.4079



53.5068, 0.4680, 0.4638



18.3705, 0.3204, 0.4218



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.



64.8012, 0.3112, 0.5882



72.5566, 0.3087, 0.5931



64.0362, 0.2910, 0.5640



17.8431, 0.3152, 0.3532



34.6710, 0.3098, 0.5922



2.9292, 0.3188, 0.5851

Inverse Universe

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



17.1387, 0.2621, 0.1233



18.5072, 0.2585, 0.1198



22.6597, 0.3925, 0.1955



15.8253, 0.3099, 0.3055



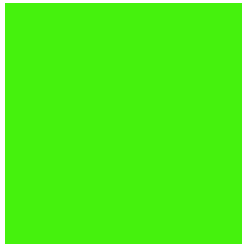
8.9058, 0.2597, 0.1204



0.7867, 0.2681, 0.1251

Previews

White Background



This preview shows how the Yxy color 64.7985, 0.3112, 0.5882 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 64.7985, 0.3112, 0.5882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

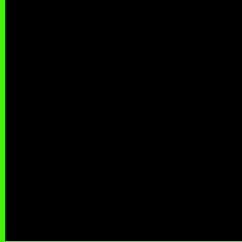
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

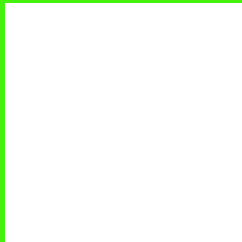
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7985, 0.3112, 0.5882

Background



This preview shows how black text looks on a background with the Yxy color 64.7985, 0.3112, 0.5882.



This preview shows how white text looks on a background with the Yxy color 64.7985, 0.3112, 0.5882.

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

64.7985, 0.3112, 0.5882

Protanopia

63.2631, 0.4405, 0.4884

Deuteranopia

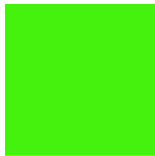
62.9887, 0.4339, 0.4279



Tritanopia

64.2434, 0.2421, 0.3067

Trichromacy



Original Color

64.7985, 0.3112, 0.5882



Protanomaly

60.8378, 0.3822, 0.5337



Deuteranomaly

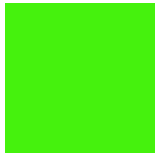
59.5709, 0.3825, 0.4974



Tritanomaly

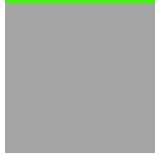
62.4217, 0.2766, 0.4294

Monochromacy



Original Color

64.7985, 0.3112, 0.5882



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.4705, 0.3215, 0.4558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7985, 0.3112, 0.5882 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(69, 242, 13)` looks like.

```
.text, #text, p{  
    color:rgb(69, 242, 13)  
}
```

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(69, 242, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 242, 13) }
```

Border

The CSS property to change the border of an element to Yxy 64.7985, 0.3112, 0.5882 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(69, 242, 13) }
```

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

```
.border{ border-color:rgb(69, 242, 13) }
```

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

Here you see how a box with a 4 pixel rgb(69, 242, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 242, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 242, 13);  
box-shadow:4px 4px 4px 4px rgb(69, 242,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7985, 0.3112, 0.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 242, 13) }
```

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

```
.background{ background-color: rgb(69, 242,  
13) }
```

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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