

Converting Colors

$Y_{xy}(65.0403, 0.2996, 0.5958)$

Have a look what the booklet for
Yxy(65.0403, 0.2996, 0.5958)
contains.

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Color

Yxy(64.8096, 0.2996, 0.5959)

Conversions

Conversions Part 1

Format	Color
Hex	0AF412
RGB	10, 244, 18
RGB Percent	4%, 96%, 7%
CMY	0.9612, 0.0431, 0.9292
CMYK	0.96, 0.00, 0.93, 0.04
HSL	122°, 92%, 50%
HSV	122°, 96%, 96%
XYZ	32.5843, 64.8096, 11.3653
YIQ	148.2700, -66.9180, -119.8940

Conversions

Conversions Part 2

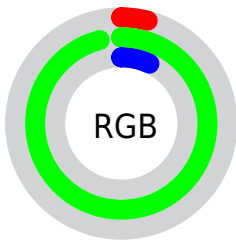
Format	Color
RYB	10, 236, 244
Decimal	717842
CIELab	84.39, -82.76, 78.91
CIELCh	84, 114.348, 136.363
Yxy	64.8096, 0.2996, 0.5959
Android (android.graphics.Color)	4278907922 (0xFF0AF412)
YUV	148.2700, -64.2231, -121.2628
Hunter-Lab	80.5044, -68.6346, 47.9827

Details

The Yxy color **64.8096, 0.2996, 0.5959** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **25.4969, 0.3295, 0.1599**, and the grayscale version is **30.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1978, 0.3132, 0.5268**, and **35.1178, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.7232, 0.2996, 0.5985**, and if you desaturate by 10%, it is **65.2141, 0.2995, 0.5842**.

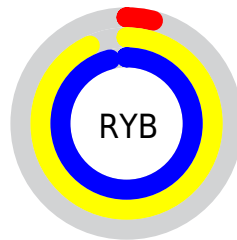
Distribution



Red (4%)

Green (96%)

Blue (7%)



Red (4%)

Yellow (93%)

Blue (96%)

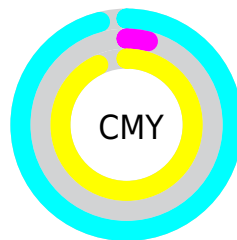


Cyan (96%)

Magenta (0%)

Yellow (93%)

Black (4%)



Cyan (96%)


Magenta (4%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8096, 0.2996, 0.5959 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 64.8096, 0.2996, 0.5959 by changing the saturation by 10% instead.

 64.8096, 0.2996,
0.5959


 64.8096, 0.2996,
0.5959

442.1074, 0.3187,
0.4612

 47.3067, 0.2911,
0.6268


 111.7761, 0.3095,
0.5483

 33.2782, 0.2783,
0.6640


 142.0085, 0.3123,
0.5299


 22.3396, 0.2589,
0.7081


 177.2528, 0.3144,
0.5142

 14.1067, 0.2317,
0.7683

 217.8934, 0.3159,
0.5006

 8.1949, 0.1839,
0.8161

 264.3148, 0.3169,
0.4888

 4.2199, 0.1145,
0.8855

 316.9014, 0.3177,

 1.7973, 0.0000,

0.4785

1.0000

376.0375, 0.3183,
0.4693

■ 0.4855, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8096, 0.2996,
0.5959

■ 64.8096, 0.2996,
0.5959

■ 64.7232, 0.2996,
0.5985


■ 65.2141, 0.2995,
0.5842


■ 66.0086, 0.2999,
0.5641


■ 67.2644, 0.3009,
0.5366


■ 69.0370, 0.3023,
0.5039

 71.3742, 0.3041,
0.4689

 74.3182, 0.3060,
0.4339

 77.9074, 0.3080,
0.4007

 82.1769, 0.3099,
0.3704

 87.1592, 0.3117,
0.3434

Harmonies

Analogous

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



64.8096, 0.4170, 0.5534



64.8096, 0.2996, 0.5959



64.8096, 0.1908, 0.4889

Triad

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



64.8096, 0.2996, 0.5959



64.8096, 0.1187, 0.1514



64.8096, 0.5412, 0.2891

Complementary

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



64.8096, 0.2996, 0.5959



25.4969, 0.3295, 0.1599

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.



64.8096, 0.4131, 0.2189



64.8096, 0.2996, 0.5959



64.8096, 0.1702, 0.1443

Square

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



64.8096, 0.2996, 0.5959



64.8096, 0.1032, 0.1986



64.8096, 0.2693, 0.1676



64.8096, 0.5764, 0.3669

Rectangle

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



64.8096, 0.2996, 0.5959



64.8096, 0.1397, 0.3667



64.8096, 0.2693, 0.1676



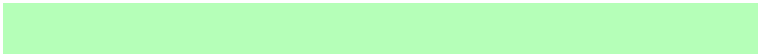
64.8096, 0.5062, 0.2645

Sweetspot

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



64.8123, 0.2996, 0.5959



84.7947, 0.3074, 0.4108



82.5937, 0.4131, 0.5087



17.7884, 0.3065, 0.4251



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.



64.8123, 0.2996, 0.5959



71.5394, 0.2996, 0.5985



66.5109, 0.2687, 0.4852



18.4814, 0.3111, 0.3526



35.1952, 0.2994, 0.5978



3.0965, 0.2979, 0.5923

Inverse Universe

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



25.4969, 0.3295, 0.1599



27.9216, 0.3300, 0.1591



20.7844, 0.5038, 0.2569



16.7578, 0.3143, 0.3065



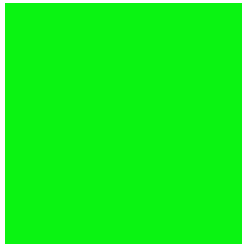
13.7398, 0.3298, 0.1591



1.2107, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 64.8096, 0.2996, 0.5959 looks on a white background.

Color Contrast Check

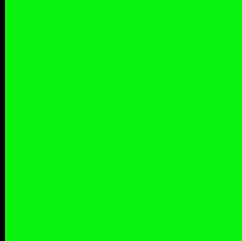
Large Text (above 18pt) WCAG AA × Fail

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 64.8096, 0.2996, 0.5959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

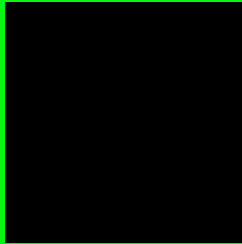
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

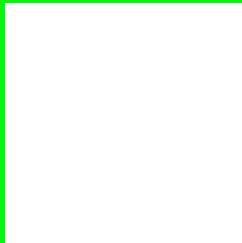
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8096, 0.2996, 0.5959

Background



This preview shows how black text looks on a background with the Yxy color 64.8096, 0.2996, 0.5959.



This preview shows how white text looks on a background with the Yxy color 64.8096, 0.2996, 0.5959.

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

64.8096, 0.2996, 0.5959

Protanopia

63.2631, 0.4405, 0.4884

Deuteranopia

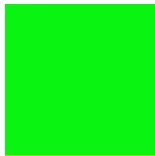
62.9887, 0.4339, 0.4279



Tritanopia

64.4143, 0.2357, 0.3065

Trichromacy



Original Color

64.8096, 0.2996, 0.5959



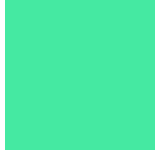
Protanomaly

59.0302, 0.3644, 0.5473



Deuteranomaly

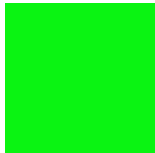
57.1375, 0.3646, 0.5068



Tritanomaly

62.1517, 0.2639, 0.4303

Monochromacy



Original Color

64.8096, 0.2996, 0.5959



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

37.4032, 0.3041, 0.4677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8096, 0.2996, 0.5959 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(10, 244, 18)` looks like.

```
.text, #text, p{  
    color:rgb(10, 244, 18)  
}
```

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(10, 244, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 244, 18) }
```

Border

The CSS property to change the border of an element to Yxy 64.8096, 0.2996, 0.5959 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(10, 244, 18) }
```

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

```
.border{ border-color:rgb(10, 244, 18) }
```

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

Here you see how a box with a 4 pixel rgb(10, 244, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 244, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 244, 18);  
box-shadow:4px 4px 4px 4px rgb(10, 244,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8096, 0.2996, 0.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 244, 18) }
```

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

```
.background{ background-color: rgb(10, 244,  
18) }
```

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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