

Converting Colors

Yxy(64.8103, 0.2988, 0.5923)

Have a look what the booklet for
Yxy(64.8103, 0.2988, 0.5923)
contains.

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Color

Yxy(64.8682, 0.2987, 0.5921)

Conversions

Conversions Part 1

Format	Color
Hex	0CF41D
RGB	12, 244, 29
RGB Percent	5%, 96%, 11%
CMY	0.9531, 0.0431, 0.8859
CMYK	0.95, 0.00, 0.88, 0.04
HSL	124°, 91%, 50%
HSV	124°, 95%, 96%
XYZ	32.7244, 64.8682, 11.9635
YIQ	150.1220, -69.2570, -116.0490

Conversions

Conversions Part 2

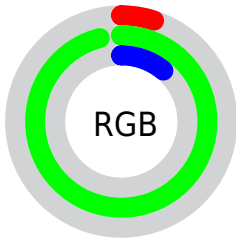
Format	Color
RYB	12, 228, 244
Decimal	848925
CIELab	84.42, -82.39, 77.34
CIELCh	84, 112.999, 136.810
Yxy	64.8682, 0.2987, 0.5921
Android (android.graphics.Color)	4279039005 (0xFF0CF41D)
YUV	150.1220, -59.7131, -121.1330
Hunter-Lab	80.5408, -68.4203, 47.5716

Details

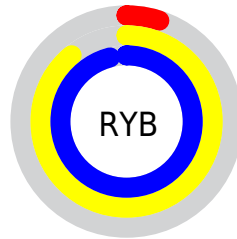
The Yxy color **64.8682, 0.2987, 0.5921** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **25.0348, 0.3396, 0.1658**, and the grayscale version is **30.8351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2724, 0.3118, 0.5228**, and **35.1178, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.7476, 0.2990, 0.5964**, and if you desaturate by 10%, it is **65.3306, 0.2981, 0.5777**.

Distribution



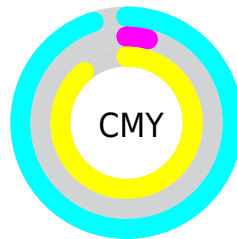
- Red (5%)
- Green (96%)
- Blue (11%)



- Red (5%)
- Yellow (89%)
- Blue (96%)



- Cyan (95%)
- Magenta (0%)
- Yellow (88%)
- Black (4%)




- Cyan (95%)
- Magenta (4%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8682, 0.2987, 0.5921 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 64.8682, 0.2987, 0.5921 by changing the saturation by 10% instead.


 64.8682, 0.2987,
0.5921


 64.8682, 0.2987,
0.5921


442.3182, 0.3177,
0.4591

 47.3542, 0.2903,
0.6229


 111.8603, 0.3084,
0.5450


 33.3158, 0.2779,
0.6600


 142.1073, 0.3112,
0.5268


 22.3685, 0.2589,
0.7044


 177.3674, 0.3133,
0.5113

 14.1279, 0.2329,
0.7671

 218.0249, 0.3148,
0.4979

 8.2097, 0.1853,
0.8147

 264.4644, 0.3159,
0.4862

 4.2294, 0.1165,
0.8835

 317.0702, 0.3167,

 1.8027, 0.0000,

0.4760

1.0000

376.2266, 0.3172,
0.4670

■ 0.4889, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8682, 0.2987,
0.5921

■ 64.8682, 0.2987,
0.5921

■ 64.7476, 0.2990,
0.5964


■ 65.3306, 0.2981,
0.5777

■ 66.1868, 0.2981,
0.5556

■ 67.5038, 0.2988,
0.5271

■ 69.3346, 0.3002,
0.4946

 71.7248, 0.3021,
0.4604

 74.7151, 0.3044,
0.4268

 78.3424, 0.3068,
0.3952

 82.6404, 0.3092,
0.3664

 87.6407, 0.3116,
0.3408

Harmonies

Analogous

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



64.8682, 0.4153, 0.5529



64.8682, 0.2987, 0.5921



64.8682, 0.1909, 0.4841

Triad

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



64.8682, 0.2987, 0.5921



64.8682, 0.1206, 0.1526



64.8682, 0.5400, 0.2909

Complementary

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



64.8682, 0.2987, 0.5921



25.0348, 0.3396, 0.1658

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.



64.8682, 0.4143, 0.2209



64.8682, 0.2987, 0.5921



64.8682, 0.1725, 0.1459

Square

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



64.8682, 0.2987, 0.5921



64.8682, 0.1048, 0.1989



64.8682, 0.2717, 0.1695



64.8682, 0.5736, 0.3686

Rectangle

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



64.8682, 0.2987, 0.5921



64.8682, 0.1406, 0.3639



64.8682, 0.2717, 0.1695



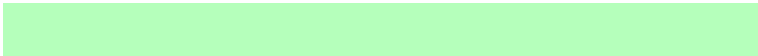
64.8682, 0.5057, 0.2665

Sweetspot

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



64.8709, 0.2987, 0.5921



84.9167, 0.3058, 0.4074



81.3118, 0.4074, 0.5129



17.8162, 0.3048, 0.4211



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.



64.8709, 0.2987, 0.5921



71.5664, 0.2990, 0.5965



66.7786, 0.2653, 0.4724



18.4919, 0.3106, 0.3516



35.2121, 0.2987, 0.5953



3.1016, 0.2955, 0.5839

Inverse Universe

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



25.0348, 0.3396, 0.1658



27.3262, 0.3408, 0.1651



20.6772, 0.5151, 0.2637



16.7459, 0.3149, 0.3074



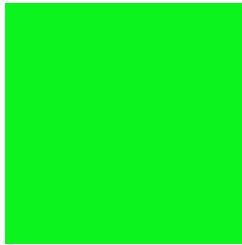
13.4521, 0.3404, 0.1649



1.1885, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 64.8682, 0.2987, 0.5921 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 64.8682, 0.2987, 0.5921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

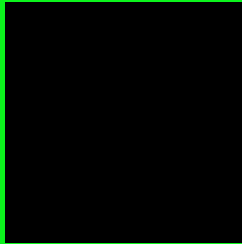
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

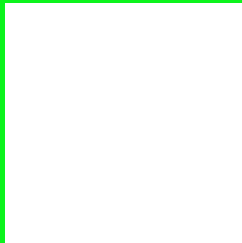
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8682, 0.2987, 0.5921

Background



This preview shows how black text looks on a background with the Yxy color 64.8682, 0.2987, 0.5921.



This preview shows how white text looks on a background with the Yxy color 64.8682, 0.2987, 0.5921.

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

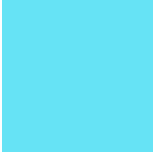
64.8682, 0.2987, 0.5921

Protanopia

63.2976, 0.4392, 0.4865

Deuteranopia

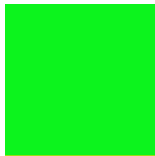
63.0077, 0.4333, 0.4271



Tritanopia

64.3555, 0.2354, 0.3065

Trichromacy



Original Color

64.8682, 0.2987, 0.5921



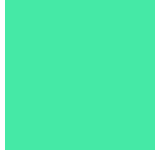
Protanomaly

59.1631, 0.3640, 0.5441



Deuteranomaly

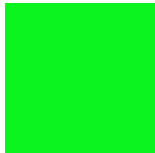
57.3108, 0.3634, 0.5021



Tritanomaly

62.2962, 0.2620, 0.4242

Monochromacy



Original Color

64.8682, 0.2987, 0.5921



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

38.0309, 0.3023, 0.4599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8682, 0.2987, 0.5921 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(12, 244, 29)` looks like.

```
.text, #text, p{  
    color:rgb(12, 244, 29)  
}
```

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(12, 244, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 244, 29) }
```

Border

The CSS property to change the border of an element to Yxy 64.8682, 0.2987, 0.5921 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(12, 244, 29) }
```

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

```
.border{ border-color:rgb(12, 244, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 244, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 244, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 244, 29);  
box-shadow:4px 4px 4px 4px rgb(12, 244,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8682, 0.2987, 0.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 244, 29) }
```

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

```
.background{ background-color: rgb(12, 244,  
29) }
```

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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