

Converting Colors

$Yxy(66.8075, 0.3000, 0.5978)$

Have a look what the booklet for
Yxy(66.8075, 0.3000, 0.5978)
contains.

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Color

Yxy(66.5951, 0.3000, 0.5979)

Conversions

Conversions Part 1

Format	Color
Hex	08F70A
RGB	8, 247, 10
RGB Percent	3%, 97%, 4%
CMY	0.9686, 0.0314, 0.9617
CMYK	0.97, 0.00, 0.96, 0.03
HSL	120°, 94%, 50%
HSV	120°, 97%, 97%
XYZ	33.4145, 66.5951, 11.3721
YIQ	148.5210, -66.3670, -124.3750

Conversions

Conversions Part 2

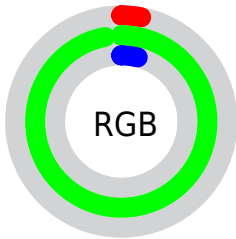
Format	Color
RYB	8, 245, 247
Decimal	587530
CIELab	85.30, -83.75, 80.47
CIELCh	85, 116.140, 136.144
Yxy	66.5951, 0.3000, 0.5979
Android (android.graphics.Color)	4278777610 (0xFF08F70A)
YUV	148.5210, -68.2909, -123.2369
Hunter-Lab	81.6058, -69.7212, 48.8618

Details

The Yxy color **66.5951, 0.3000, 0.5979** 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 **26.5570, 0.3227, 0.1559**, and the grayscale version is **30.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2323, 0.3143, 0.5285**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.5288, 0.2999, 0.5997**, and if you desaturate by 10%, it is **66.9604, 0.3003, 0.5885**.

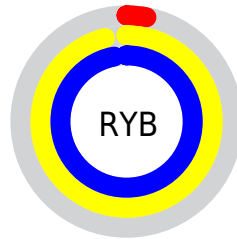
Distribution



Red (3%)

Green (97%)

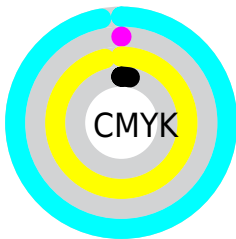
Blue (4%)



Red (3%)

Yellow (96%)

Blue (97%)

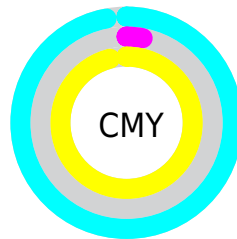


Cyan (97%)

Magenta (0%)

Yellow (96%)

Black (3%)



Cyan (97%)


Magenta (3%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5951, 0.3000, 0.5979 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 66.5951, 0.3000, 0.5979 by changing the saturation by 10% instead.

 66.5951, 0.3000,
0.5979

 66.5951, 0.3000,
0.5979


 448.5022, 0.3191,
0.4630

 48.7556, 0.2914,
0.6286


 114.3400, 0.3099,
0.5505


 34.4257, 0.2787,
0.6653


 145.0143, 0.3128,
0.5321

 23.2208, 0.2594,
0.7088

 180.7357, 0.3149,
0.5163

 14.7566, 0.2325,
0.7675

 221.8885, 0.3163,
0.5027

 8.6488, 0.1856,
0.8144

 268.8571, 0.3174,
0.4908

 4.5128, 0.1204,
0.8796


 322.0260, 0.3182,

 1.9644, 0.0000,


0.4804


1.0000


381.7796, 0.3187,
0.4712


 0.5866, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.5951, 0.3000,
0.5979


 66.5951, 0.3000,
0.5979

 66.5288, 0.2999,
0.5997

 66.9604, 0.3003,
0.5885


 67.7203, 0.3011,
0.5702


 68.9528, 0.3022,
0.5437


 70.7178, 0.3037,
0.5114

 73.0663, 0.3054,
0.4759

 76.0434, 0.3071,
0.4399

 79.6897, 0.3088,
0.4056

 84.0425, 0.3104,
0.3741

 89.1363, 0.3118,
0.3460

Harmonies

Analogous

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



66.5951, 0.4179, 0.5537



66.5951, 0.3000, 0.5979



66.5951, 0.1906, 0.4914

Triad

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



66.5951, 0.3000, 0.5979



66.5951, 0.1176, 0.1508



66.5951, 0.5420, 0.2881

Complementary

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



66.5951, 0.3000, 0.5979



26.5570, 0.3227, 0.1559

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.



66.5951, 0.4125, 0.2179



66.5951, 0.3000, 0.5979



66.5951, 0.1689, 0.1435

Square

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



66.5951, 0.3000, 0.5979



66.5951, 0.1023, 0.1983



66.5951, 0.2680, 0.1666



66.5951, 0.5778, 0.3660

Rectangle

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



66.5951, 0.3000, 0.5979



66.5951, 0.1392, 0.3681



66.5951, 0.2680, 0.1666



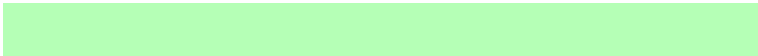
66.5951, 0.5065, 0.2636

Sweetspot

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



66.5979, 0.3000, 0.5979



84.7103, 0.3084, 0.4132



86.3175, 0.4189, 0.5045



17.7692, 0.3077, 0.4279



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.



66.5979, 0.3000, 0.5979



71.5241, 0.2999, 0.5997



68.1220, 0.2721, 0.4980



18.4740, 0.3115, 0.3533



35.1840, 0.2999, 0.5995



3.0930, 0.2995, 0.5984

Inverse Universe

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



26.5570, 0.3227, 0.1559



28.3603, 0.3228, 0.1552



21.4944, 0.4921, 0.2500



16.7661, 0.3139, 0.3059



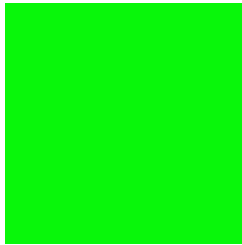
13.9517, 0.3228, 0.1552



1.2269, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 66.5951, 0.3000, 0.5979 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 66.5951, 0.3000, 0.5979 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

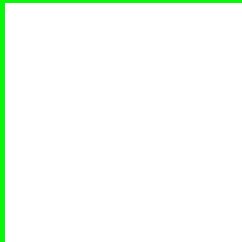
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5951, 0.3000, 0.5979

Background



This preview shows how black text looks on a background with the Yxy color 66.5951, 0.3000, 0.5979.



This preview shows how white text looks on a background with the Yxy color 66.5951, 0.3000, 0.5979.

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

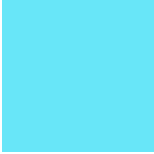
66.5951, 0.3000, 0.5979

Protanopia

64.7657, 0.4411, 0.4879

Deuteranopia

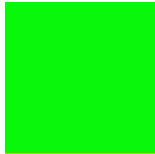
64.6709, 0.4230, 0.4191



Tritanopia

66.3140, 0.2357, 0.3067

Trichromacy



Original Color

66.5951, 0.3000, 0.5979



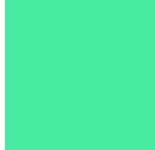
Protanomaly

60.1901, 0.3643, 0.5481



Deuteranomaly

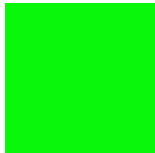
58.6501, 0.3600, 0.5044



Tritanomaly

63.8293, 0.2650, 0.4351

Monochromacy



Original Color

66.5951, 0.3000, 0.5979



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

37.7042, 0.3052, 0.4741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5951, 0.3000, 0.5979 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(8, 247, 10)` looks like.

```
.text, #text, p{  
    color:rgb(8, 247, 10)  
}
```

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(8, 247, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 247, 10) }
```

Border

The CSS property to change the border of an element to Yxy 66.5951, 0.3000, 0.5979 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(8, 247, 10) }
```

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

```
.border{ border-color:rgb(8, 247, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 247, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 247, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 247, 10);  
box-shadow:4px 4px 4px 4px rgb(8, 247, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 66.5951, 0.3000, 0.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 247, 10) }
```

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

```
.background{ background-color: rgb(8, 247,  
10) }
```

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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