

Converting Colors

$Y_{xy}(66.7705, 0.3002, 0.5998)$

Have a look what the booklet for
Yxy(66.7705, 0.3002, 0.5998)
contains.

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Color

Yxy(66.5473, 0.3002, 0.5998)

Conversions

Conversions Part 1

Format	Color
Hex	03F700
RGB	3, 247, 0
RGB Percent	1%, 97%, 0%
CMY	0.9863, 0.0313, 0.9991
CMYK	0.99, 0.00, 1.00, 0.03
HSL	119°, 100%, 48%
HSV	119°, 100%, 97%
XYZ	33.3069, 66.5473, 11.0949
YIQ	145.8860, -66.1370, -128.5450

Conversions

Conversions Part 2

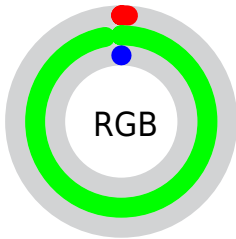
Format	Color
RYB	0, 247, 244
Decimal	259840
CIELab	85.27, -84.02, 81.20
CIELCh	85, 116.844, 135.980
Yxy	66.5473, 0.3002, 0.5998
Android (android.graphics.Color)	4278449920 (0xFF03F700)
YUV	145.8860, -71.9218, -125.3110
Hunter-Lab	81.5765, -69.8790, 49.0398

Details

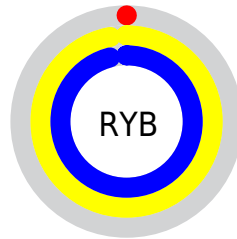
The Yxy color **66.5473, 0.3002, 0.5998** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **25.9079, 0.3176, 0.1523**, and the grayscale version is **29.0937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1269, 0.3145, 0.5306**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.5481, 0.3002, 0.5998**, and if you desaturate by 10%, it is **66.8419, 0.3007, 0.5926**.

Distribution



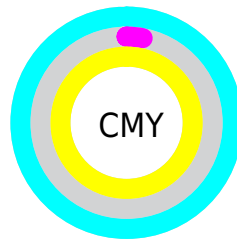
- Red (1%)
- Green (97%)
- Blue (0%)



- Red (0%)
- Yellow (97%)
- Blue (96%)



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (3%)




- Cyan (99%)
- Magenta (3%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5473, 0.3002, 0.5998 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 66.5473, 0.3002, 0.5998 by changing the saturation by 10% instead.


 66.5473, 0.3002,
0.5998


 66.5473, 0.3002,
0.5998


 448.3317, 0.3195,
0.4641

 48.7168, 0.2915,
0.6306


 114.2715, 0.3102,
0.5522


 34.3949, 0.2786,
0.6673


 144.9340, 0.3131,
0.5336

 23.1971, 0.2590,
0.7107


 180.6427, 0.3152,
0.5178

 14.7391, 0.2316,
0.7684

 221.7818, 0.3167,
0.5040

 8.6365, 0.1846,
0.8154

 268.7359, 0.3178,
0.4921

 4.5049, 0.1190,
0.8810


 321.8893, 0.3186,

 1.9598, 0.0000,


0.4816

1.0000


381.6264, 0.3191,
0.4723


 0.5840, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 66.5473, 0.3002,
0.5998


 66.5473, 0.3002,
0.5998


 66.5481, 0.3002,
0.5998

 66.8419, 0.3007,
0.5926

 67.4906, 0.3016,
0.5774


 68.5877, 0.3029,
0.5535

 70.1945, 0.3045,
0.5227

 72.3628, 0.3061,
0.4879

 75.1379, 0.3077,
0.4518

 78.5607, 0.3092,
0.4166

 82.6683, 0.3105,
0.3840

 87.4952, 0.3117,
0.3546

Harmonies

Analogous

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



66.5473, 0.4186, 0.5541



66.5473, 0.3002, 0.5998



66.5473, 0.1903, 0.4936

Triad

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



66.5473, 0.3002, 0.5998



66.5473, 0.1167, 0.1501



66.5473, 0.5428, 0.2873

Complementary

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



66.5473, 0.3002, 0.5998



25.9079, 0.3176, 0.1523

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.



66.5473, 0.4122, 0.2170



66.5473, 0.3002, 0.5998



66.5473, 0.1679, 0.1427

Square

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



66.5473, 0.3002, 0.5998



66.5473, 0.1015, 0.1980



66.5473, 0.2670, 0.1657



66.5473, 0.5792, 0.3653

Rectangle

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



66.5473, 0.3002, 0.5998



66.5473, 0.1387, 0.3692



66.5473, 0.2670, 0.1657



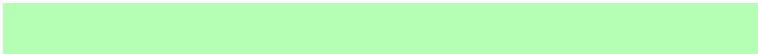
66.5473, 0.5070, 0.2627

Sweetspot

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



66.5501, 0.3002, 0.5998



84.3994, 0.3092, 0.4171



83.8152, 0.4223, 0.5029



17.7145, 0.3086, 0.4318



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.



66.5501, 0.3002, 0.5998



71.5418, 0.3002, 0.5999



67.8726, 0.2748, 0.5092



18.4825, 0.3118, 0.3535



35.1969, 0.3003, 0.5998



3.0971, 0.3010, 0.5992

Inverse Universe

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



25.9079, 0.3176, 0.1523



27.8455, 0.3176, 0.1523



21.3321, 0.4924, 0.2486



16.7565, 0.3136, 0.3057



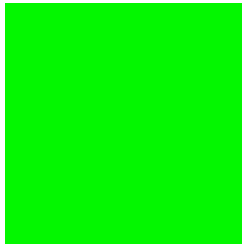
13.7032, 0.3176, 0.1523



1.2079, 0.3181, 0.1526

Previews

White Background



This preview shows how the Yxy color 66.5473, 0.3002, 0.5998 looks on a white background.

Color Contrast Check

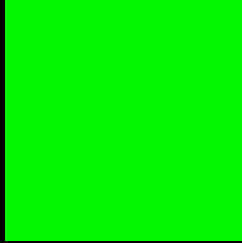
Large Text (above 18pt) WCAG AA × Fail

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 66.5473, 0.3002, 0.5998 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

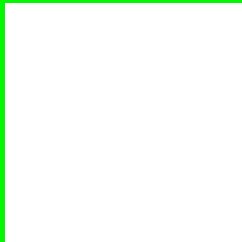
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5473, 0.3002, 0.5998

Background



This preview shows how black text looks on a background with the Yxy color 66.5473, 0.3002, 0.5998.



This preview shows how white text looks on a background with the Yxy color 66.5473, 0.3002, 0.5998.

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

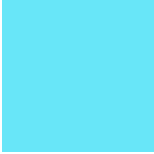
66.5409, 0.3002, 0.5999

Protanopia

64.7657, 0.4411, 0.4879

Deuteranopia

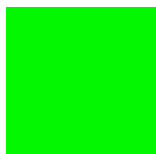
64.6709, 0.4230, 0.4191



Tritanopia

66.3140, 0.2357, 0.3067

Trichromacy



Original Color

66.5409, 0.3002, 0.5999



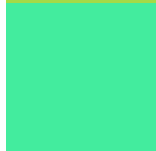
Protanomaly

60.0836, 0.3638, 0.5493



Deuteranomaly

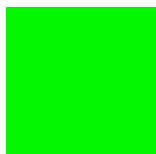
58.4903, 0.3608, 0.5083



Tritanomaly

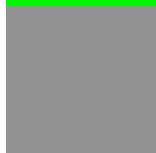
63.6528, 0.2659, 0.4398

Monochromacy



Original Color

66.5409, 0.3002, 0.5999



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

37.0370, 0.3062, 0.4821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5473, 0.3002, 0.5998 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(3, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 247, 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(3, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 247, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.5473, 0.3002, 0.5998 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(3, 247, 0) }
```

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

```
.border{ border-color:rgb(3, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 247, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 247, 0); box-shadow:4px  
4px 4px 4px rgb(3, 247, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5473, 0.3002, 0.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 247, 0) }
```

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

```
.background{ background-color: rgb(3, 247,  
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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