

Converting Colors

Yxy(66.9506, 0.3019, 0.5985)

Have a look what the booklet for
Yxy(66.9506, 0.3019, 0.5985)
contains.

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Color

Yxy(66.7282, 0.3019, 0.5985)

Conversions

Conversions Part 1

Format	Color
Hex	19F700
RGB	25, 247, 0
RGB Percent	10%, 97%, 0%
CMY	0.9024, 0.0313, 1.0000
CMYK	0.90, 0.00, 1.00, 0.03
HSL	114°, 100%, 48%
HSV	114°, 100%, 97%
XYZ	33.6596, 66.7282, 11.1046
YIQ	152.4640, -53.0250, -123.8810

Conversions

Conversions Part 2

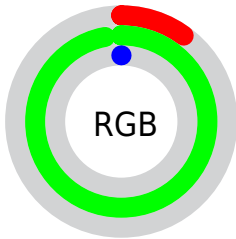
Format	Color
RYB	0, 247, 222
Decimal	1701632
CIELab	85.37, -83.18, 81.33
CIELCh	85, 116.330, 135.644
Yxy	66.7282, 0.3019, 0.5985
Android (android.graphics.Color)	4279891712 (0xFF19F700)
YUV	152.4640, -75.1648, -111.7859
Hunter-Lab	81.6873, -69.4013, 49.1212

Details

The Yxy color **66.7282, 0.3019, 0.5985** 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 **22.2632, 0.2952, 0.1400**, and the grayscale version is **31.9473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4129, 0.3165, 0.5294**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.7310, 0.3019, 0.5985**, and if you desaturate by 10%, it is **67.2014, 0.3040, 0.5902**.

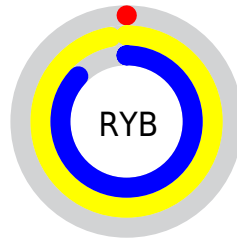
Distribution



Red (10%)

Green (97%)

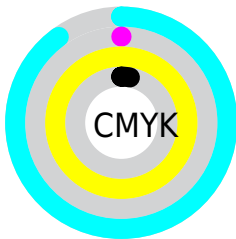
Blue (0%)



Red (0%)

Yellow (97%)

Blue (87%)

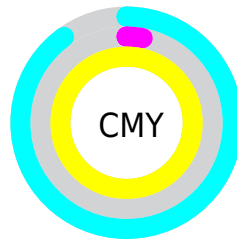


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (90%)


Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7282, 0.3019, 0.5985 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 66.7282, 0.3019, 0.5985 by changing the saturation by 10% instead.


 66.7282, 0.3019,
0.5985

 66.7282, 0.3019,
0.5985


448.9767, 0.3204,
0.4637


 48.8638, 0.2934,
0.6290


 114.5309, 0.3116,
0.5512


 34.5114, 0.2808,
0.6654


 145.2379, 0.3144,
0.5328


 23.2868, 0.2615,
0.7084


 180.9946, 0.3164,
0.5170

 14.8054, 0.2344,
0.7656

 222.1853, 0.3178,
0.5034

 8.6829, 0.1878,
0.8122

 269.1945, 0.3188,
0.4915

 4.5349, 0.1234,
0.8766

 322.4065, 0.3195,

 1.9771, 0.0000,

0.4811

1.0000

382.2058, 0.3200,
0.4719

■ 0.5941, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.7282, 0.3019,
0.5985

■ 66.7282, 0.3019,
0.5985


■ 66.7310, 0.3019,
0.5985

■ 67.2014, 0.3040,
0.5902

■ 68.0276, 0.3064,
0.5741


■ 69.2725, 0.3086,
0.5500


■ 70.9827, 0.3104,
0.5196

 73.1984, 0.3118,
0.4855

 75.9557, 0.3127,
0.4503

 79.2872, 0.3132,
0.4159

 83.2229, 0.3133,
0.3838

 87.7907, 0.3131,
0.3548

Harmonies

Analogous

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



66.7282, 0.4198, 0.5523



66.7282, 0.3019, 0.5985



66.7282, 0.1921, 0.4945

Triad

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



66.7282, 0.3019, 0.5985



66.7282, 0.1170, 0.1511



66.7282, 0.5407, 0.2868

Complementary

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



66.7282, 0.3019, 0.5985



22.2632, 0.2952, 0.1400

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.



66.7282, 0.4101, 0.2167



66.7282, 0.3019, 0.5985



66.7282, 0.1676, 0.1432

Square

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



66.7282, 0.3019, 0.5985



66.7282, 0.1022, 0.1995



66.7282, 0.2659, 0.1659



66.7282, 0.5783, 0.3646

Rectangle

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



66.7282, 0.3019, 0.5985



66.7282, 0.1401, 0.3711



66.7282, 0.2659, 0.1659



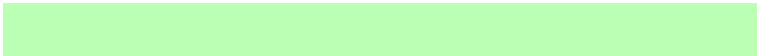
66.7282, 0.5046, 0.2623

Sweetspot

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



66.7310, 0.3019, 0.5985



85.2199, 0.3132, 0.4161



70.0164, 0.4419, 0.4874



17.9005, 0.3130, 0.4304



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.



66.7310, 0.3019, 0.5985



71.7357, 0.3019, 0.5985



67.3462, 0.2835, 0.5407



18.5519, 0.3131, 0.3534



35.3171, 0.3024, 0.5981



3.1302, 0.3075, 0.5941

Inverse Universe

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



22.2632, 0.2952, 0.1400



23.9275, 0.2952, 0.1400



22.0529, 0.4501, 0.2253



16.6785, 0.3122, 0.3056



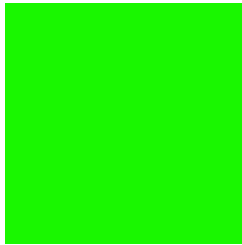
11.8095, 0.2957, 0.1402



1.0620, 0.2990, 0.1421

Previews

White Background



This preview shows how the Yxy color 66.7282, 0.3019, 0.5985 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 66.7282, 0.3019, 0.5985 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 66.7282, 0.3019, 0.5985

Background



This preview shows how black text looks on a background with the Yxy color 66.7282, 0.3019, 0.5985.



This preview shows how white text looks on a background with the Yxy color 66.7282, 0.3019, 0.5985.

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

66.7282, 0.3019, 0.5985

Protanopia

65.2641, 0.4403, 0.4886

Deuteranopia

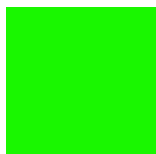
65.1641, 0.4218, 0.4191



Tritanopia

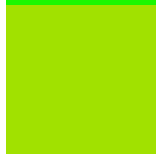
66.4351, 0.2364, 0.3068

Trichromacy



Original Color

66.7282, 0.3019, 0.5985



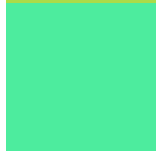
Protanomaly

61.4275, 0.3693, 0.5450



Deuteranomaly

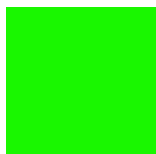
59.7888, 0.3654, 0.5047



Tritanomaly

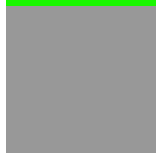
64.0373, 0.2689, 0.4389

Monochromacy



Original Color

66.7282, 0.3019, 0.5985



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

39.4679, 0.3121, 0.4761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7282, 0.3019, 0.5985 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(25, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 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(25, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 247, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.7282, 0.3019, 0.5985 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(25, 247, 0) }
```

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

```
.border{ border-color:rgb(25, 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(25, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 247, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 66.7282, 0.3019, 0.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 247, 0) }
```

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

```
.background{ background-color: rgb(25, 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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