

Converting Colors

Yxy(67.0858, 0.3304, 0.5759)

Have a look what the booklet for
Yxy(67.0858, 0.3304, 0.5759)
contains.

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Color

Yxy(66.9490, 0.3305, 0.5758)

Conversions

Conversions Part 1

Format	Color
Hex	70F200
RGB	112, 242, 0
RGB Percent	44%, 95%, 0%
CMY	0.5610, 0.0509, 1.0000
CMYK	0.54, 0.00, 1.00, 0.05
HSL	92°, 100%, 47%
HSV	92°, 100%, 95%
XYZ	38.4277, 66.9490, 10.8946
YIQ	175.5420, 0.2020, -102.8220

Conversions

Conversions Part 2

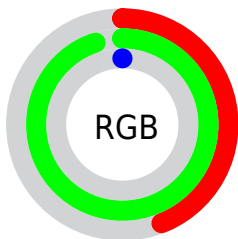
Format	Color
RYB	0, 242, 130
Decimal	7401984
CIELab	85.48, -67.69, 82.11
CIELCh	85, 106.414, 129.499
Yxy	66.9490, 0.3305, 0.5758
Android (android.graphics.Color)	4285592064 (0xFF70F200)
YUV	175.5420, -86.5422, -55.7263
Hunter-Lab	81.8224, -59.3571, 49.3812

Details

The Yxy color **66.9490, 0.3305, 0.5758** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **11.1636, 0.2082, 0.0921**, and the grayscale version is **43.6171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3721, 0.3474, 0.5114**, and **35.0213, 0.3057, 0.5955** is the 20% darker color. If you saturate the color by 10%, you get **66.9520, 0.3305, 0.5758**, and if you desaturate by 10%, it is **67.9339, 0.3360, 0.5653**.

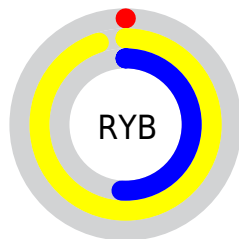
Distribution



Red (44%)

Green (95%)

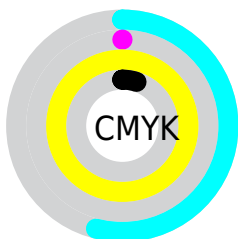
Blue (0%)



Red (0%)

Yellow (95%)

Blue (51%)

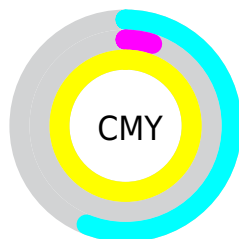


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (56%)

Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9490, 0.3305, 0.5758 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 66.9490, 0.3305, 0.5758 by changing the saturation by 10% instead.

 66.9490, 0.3305,
0.5758

 66.9490, 0.3305,
0.5758

 449.7632, 0.3347,
0.4552


 49.0432, 0.3254,
0.6024

 114.8473, 0.3352,
0.5342

 34.6537, 0.3168,
0.6337


 145.6086, 0.3360,
0.5178


 23.3963, 0.3027,
0.6702


 181.4239, 0.3363,
0.5036

 14.8864, 0.2818,
0.7182

 222.6775, 0.3363,
0.4913

 8.7397, 0.2419,
0.7581

 269.7538, 0.3360,
0.4806

 4.5718, 0.1857,
0.8143

 323.0373, 0.3357,

 1.9983, 0.0000,

0.4711

1.0000

382.9123, 0.3352,
0.4627

■ 0.6065, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9490, 0.3305,
0.5758

■ 66.9490, 0.3305,
0.5758


■ 66.9520, 0.3305,
0.5758


■ 67.9339, 0.3360,
0.5653


■ 69.1273, 0.3399,
0.5494


■ 70.5626, 0.3418,
0.5277

■ 72.2598, 0.3415,
0.5015

 74.2361, 0.3393,
0.4723

 76.5070, 0.3355,
0.4417

 79.0864, 0.3306,
0.4112

 81.9875, 0.3249,
0.3818

 85.2224, 0.3189,
0.3543

Harmonies

Analogous

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



66.9490, 0.4400, 0.5235



66.9490, 0.3305, 0.5758



66.9490, 0.2223, 0.5081

Triad

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



66.9490, 0.3305, 0.5758



66.9490, 0.1225, 0.1684



66.9490, 0.5027, 0.2774

Complementary

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



66.9490, 0.3305, 0.5758



11.1636, 0.2082, 0.0921

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.



66.9490, 0.3741, 0.2126



66.9490, 0.3305, 0.5758



66.9490, 0.1638, 0.1532

Square

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



66.9490, 0.3305, 0.5758



66.9490, 0.1154, 0.2266



66.9490, 0.2473, 0.1690



66.9490, 0.5601, 0.3517

Rectangle

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



66.9490, 0.3305, 0.5758



66.9490, 0.1658, 0.4027



66.9490, 0.2473, 0.1690



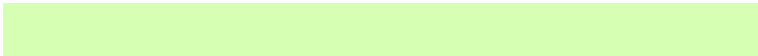
66.9490, 0.4644, 0.2543

Sweetspot

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



66.9520, 0.3305, 0.5758



89.0329, 0.3306, 0.4115



34.5992, 0.5333, 0.4148



18.7848, 0.3328, 0.4243



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.



66.9520, 0.3305, 0.5758



75.3674, 0.3303, 0.5759



63.5292, 0.2996, 0.5985



18.0146, 0.3186, 0.3529



36.0425, 0.3317, 0.5748



3.0570, 0.3418, 0.5668

Inverse Universe

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



11.1636, 0.2082, 0.0921



12.5433, 0.2080, 0.0919



24.8168, 0.3296, 0.1589



15.6471, 0.3064, 0.3052



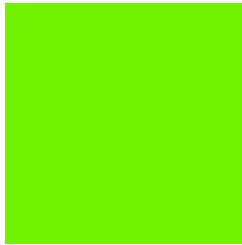
6.0787, 0.2099, 0.0930



0.5648, 0.2236, 0.1005

Previews

White Background



This preview shows how the Yxy color 66.9490, 0.3305, 0.5758 looks on a white background.

Color Contrast Check

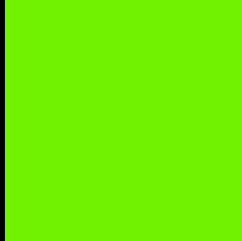
Large Text (above 18pt) WCAG AA × Fail

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 66.9490, 0.3305, 0.5758 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 66.9490, 0.3305, 0.5758

Background



This preview shows how black text looks on a background with the Yxy color 66.9490, 0.3305, 0.5758.



This preview shows how white text looks on a background with the Yxy color 66.9490, 0.3305, 0.5758.

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

66.9490, 0.3305, 0.5758

Protanopia

65.9392, 0.4402, 0.4887

Deuteranopia

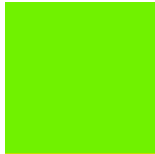
65.7301, 0.4185, 0.4165



Tritanopia

66.5245, 0.2548, 0.3074

Trichromacy



Original Color

66.9490, 0.3305, 0.5758



Protanomaly

64.6488, 0.3948, 0.5247



Deuteranomaly

63.3337, 0.3909, 0.4861



Tritanomaly

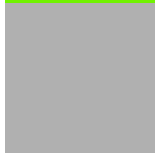
64.5867, 0.2954, 0.4304

Monochromacy



Original Color

66.9490, 0.3305, 0.5758



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.2507, 0.3373, 0.4524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9490, 0.3305, 0.5758 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(112, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 242, 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(112, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.9490, 0.3305, 0.5758 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(112, 242, 0) }
```

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

```
.border{ border-color:rgb(112, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9490, 0.3305, 0.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 242, 0) }
```

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

```
.background{ background-color: rgb(112,  
242, 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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