

Converting Colors

Yxy(66.4354, 0.3379, 0.5699)

Have a look what the booklet for
Yxy(66.4354, 0.3379, 0.5699)
contains.

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Color

Yxy(66.6053, 0.3378, 0.5700)

Conversions

Conversions Part 1

Format	Color
Hex	7CF000
RGB	124, 240, 0
RGB Percent	49%, 94%, 0%
CMY	0.5137, 0.0588, 1.0000
CMYK	0.48, 0.00, 1.00, 0.06
HSL	89°, 100%, 47%
HSV	89°, 100%, 94%
XYZ	39.4724, 66.6053, 10.7737
YIQ	177.9560, 7.9040, -99.2320

Conversions

Conversions Part 2

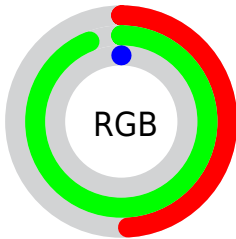
Format	Color
RYB	0, 240, 116
Decimal	8187904
CIELab	85.30, -63.62, 82.16
CIELCh	85, 103.908, 127.751
Yxy	66.6053, 0.3378, 0.5700
Android (android.graphics.Color)	4286377984 (0xFF7CF000)
YUV	177.9560, -87.7323, -47.3194
Hunter-Lab	81.6121, -56.4880, 49.3015

Details

The Yxy color **66.6053, 0.3378, 0.5700** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **10.0046, 0.1975, 0.0862**, and the grayscale version is **44.9687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6973, 0.3546, 0.5069**, and **34.7077, 0.3147, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **66.6082, 0.3378, 0.5700**, and if you desaturate by 10%, it is **67.5900, 0.3430, 0.5598**.

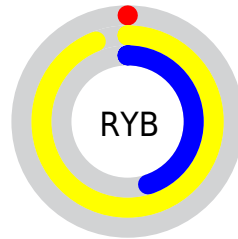
Distribution



Red (49%)

Green (94%)

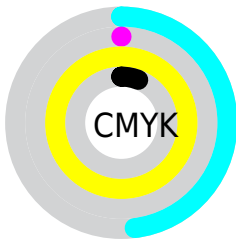
Blue (0%)



Red (0%)

Yellow (94%)

Blue (45%)

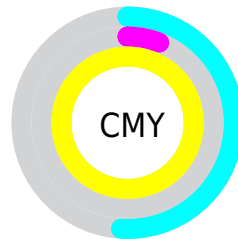


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (51%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6053, 0.3378, 0.5700 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 66.6053, 0.3378, 0.5700 by changing the saturation by 10% instead.


 66.6053, 0.3378,
0.5700


 66.6053, 0.3378,
0.5700


448.5385, 0.3383,
0.4529


 48.7639, 0.3335,
0.5956

 114.3547, 0.3412,
0.5297


 34.4323, 0.3260,
0.6256


 145.0315, 0.3415,
0.5138

 23.2259, 0.3131,
0.6606

 180.7555, 0.3414,
0.5001

 14.7604, 0.2938,
0.7062

 221.9112, 0.3410,
0.4881

 8.6514, 0.2557,
0.7443

 268.8830, 0.3404,
0.4777

 4.5145, 0.2015,
0.7985


 322.0552, 0.3398,

 1.9653, 0.0284,


0.4684


0.9716


381.8122, 0.3391,
0.4602


 0.5872, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 66.6053, 0.3378,
0.5700

 66.6053, 0.3378,
0.5700

 66.6082, 0.3378,
0.5700


 67.5900, 0.3430,
0.5598

 68.7582, 0.3466,
0.5445

 70.1417, 0.3478,
0.5237

 71.7586, 0.3468,
0.4984

 73.6246, 0.3438,
0.4701

 75.7536, 0.3391,
0.4404

 78.1584, 0.3333,
0.4105

 80.8506, 0.3267,
0.3815

 83.8412, 0.3198,
0.3542

Harmonies

Analogous

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



66.6053, 0.4449, 0.5162



66.6053, 0.3378, 0.5700



66.6053, 0.2303, 0.5110

Triad

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



66.6053, 0.3378, 0.5700



66.6053, 0.1240, 0.1731



66.6053, 0.4927, 0.2747

Complementary

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



66.6053, 0.3378, 0.5700



10.0046, 0.1975, 0.0862

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.



66.6053, 0.3651, 0.2114



66.6053, 0.3378, 0.5700



66.6053, 0.1628, 0.1558

Square

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



66.6053, 0.3378, 0.5700



66.6053, 0.1190, 0.2340



66.6053, 0.2426, 0.1698



66.6053, 0.5547, 0.3479

Rectangle

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



66.6053, 0.3378, 0.5700



66.6053, 0.1728, 0.4106



66.6053, 0.2426, 0.1698



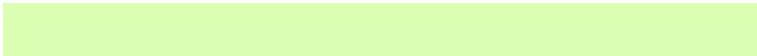
66.6053, 0.4541, 0.2519

Sweetspot

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



66.6082, 0.3378, 0.5700



89.6638, 0.3334, 0.4108



30.1149, 0.5530, 0.3991



18.9337, 0.3359, 0.4233



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.



66.6082, 0.3378, 0.5700



76.4055, 0.3376, 0.5702



62.3745, 0.3005, 0.5996



18.0580, 0.3194, 0.3529



36.5405, 0.3389, 0.5691



3.0990, 0.3487, 0.5613

Inverse Universe

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



10.0046, 0.1975, 0.0862



11.4493, 0.1972, 0.0860



23.4481, 0.3125, 0.1495



15.6036, 0.3055, 0.3051



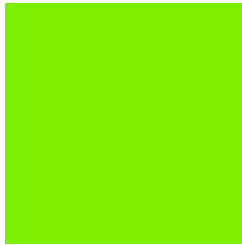
5.5549, 0.1992, 0.0871



0.5211, 0.2135, 0.0950

Previews

White Background



This preview shows how the Yxy color 66.6053, 0.3378, 0.5700 looks on a white background.

Color Contrast Check

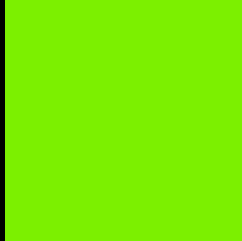
Large Text (above 18pt) WCAG AA × Fail

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 66.6053, 0.3378, 0.5700 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

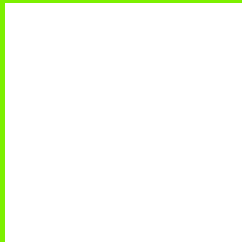
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6053, 0.3378, 0.5700

Background



This preview shows how black text looks on a background with the Yxy color 66.6053, 0.3378, 0.5700.



This preview shows how white text looks on a background with the Yxy color 66.6053, 0.3378, 0.5700.

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

66.6053, 0.3378, 0.5700

Protanopia

65.4377, 0.4410, 0.4880

Deuteranopia

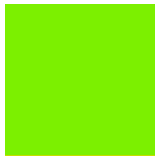
65.2097, 0.4204, 0.4174



Tritanopia

66.0948, 0.2596, 0.3075

Trichromacy



Original Color

66.6053, 0.3378, 0.5700



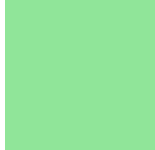
Protanomaly

64.1129, 0.3994, 0.5211



Deuteranomaly

62.8582, 0.3959, 0.4833



Tritanomaly

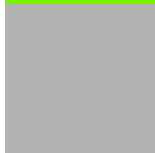
64.2678, 0.3024, 0.4293

Monochromacy



Original Color

66.6053, 0.3378, 0.5700



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.2346, 0.3405, 0.4505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6053, 0.3378, 0.5700 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(124, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 240, 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(124, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.6053, 0.3378, 0.5700 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(124, 240, 0) }
```

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

```
.border{ border-color:rgb(124, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 240,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6053, 0.3378, 0.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 240, 0) }
```

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

```
.background{ background-color: rgb(124,  
240, 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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