

Converting Colors

Yxy(74.4624, 0.3699, 0.5446)

Have a look what the booklet for
Yxy(74.4624, 0.3699, 0.5446)
contains.

Yxy(74.5349, 0.3695, 0.5448)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.5349, 0.3695, 0.5448)

Conversions

Conversions Part 1

Format	Color
Hex	B0F500
RGB	176, 245, 0
RGB Percent	69%, 96%, 0%
CMY	0.3099, 0.0392, 0.9995
CMYK	0.28, 0.00, 1.00, 0.04
HSL	77°, 100%, 48%
HSV	77°, 100%, 96%
XYZ	50.5518, 74.5349, 11.7247
YIQ	196.4390, 37.5210, -90.8230

Conversions

Conversions Part 2

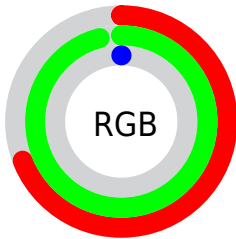
Format	Color
RYB	0, 245, 69
Decimal	11597056
CIELab	89.17, -48.23, 86.19
CIELCh	89, 98.764, 119.233
Yxy	74.5349, 0.3695, 0.5448
Android (android.graphics.Color)	4289787136 (0xFFB0F500)
YUV	196.4390, -96.8444, -17.9250
Hunter-Lab	86.3336, -46.5648, 52.3815

Details

The Yxy color **74.5349, 0.3695, 0.5448** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **7.8672, 0.1666, 0.0692**, and the grayscale version is **56.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2972, 0.3891, 0.4838**, and **39.6794, 0.3537, 0.5573** is the 20% darker color. If you saturate the color by 10%, you get **74.5340, 0.3695, 0.5448**, and if you desaturate by 10%, it is **75.4322, 0.3725, 0.5370**.

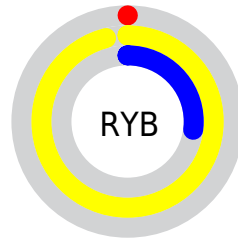
Distribution



Red (69%)

Green (96%)

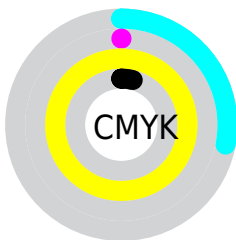
Blue (0%)



Red (0%)

Yellow (96%)

Blue (27%)

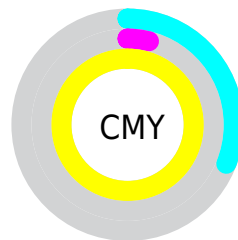


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (31%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5349, 0.3695, 0.5448 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 74.5349, 0.3695, 0.5448 by changing the saturation by 10% instead.


 74.5349, 0.3695,
0.5448

 74.5349, 0.3695,
0.5448


476.3174, 0.3547,
0.4456

 55.2319, 0.3691,
0.5651

 125.6538, 0.3674,
0.5119

 39.5875, 0.3665,
0.5883

 158.2385, 0.3656,
0.4985

 27.2170, 0.3602,
0.6146


 196.0192, 0.3638,
0.4868

 17.7363, 0.3507,
0.6493

 239.3804, 0.3618,
0.4765

 10.7608, 0.3250,
0.6750

 288.7064, 0.3600,
0.4674

 5.9062, 0.2881,
0.7119


 344.3817, 0.3581,

 2.7882, 0.2316,

0.4593

0.7684


406.7906, 0.3564,
0.4521


 1.0222, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.5349, 0.3695,
0.5448


 74.5349, 0.3695,
0.5448

 74.5340, 0.3695,
0.5448

 75.4322, 0.3725,
0.5370

 76.4537, 0.3734,
0.5249

 77.6296, 0.3718,
0.5079

 78.9766, 0.3675,
0.4865

■ 80.5085, 0.3611,
0.4620

■ 82.2375, 0.3529,
0.4353

■ 84.1748, 0.3435,
0.4078

■ 86.3303, 0.3334,
0.3804

■ 88.7135, 0.3230,
0.3539

Harmonies

Analogous

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



74.5349, 0.4651, 0.4850



74.5349, 0.3695, 0.5448



74.5349, 0.2659, 0.5211

Triad

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



74.5349, 0.3695, 0.5448



74.5349, 0.1305, 0.1956



74.5349, 0.4483, 0.2611

Complementary

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



74.5349, 0.3695, 0.5448



7.8672, 0.1666, 0.0692

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.



74.5349, 0.3268, 0.2055



74.5349, 0.3695, 0.5448



74.5349, 0.1582, 0.1679

Square

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



74.5349, 0.3695, 0.5448



74.5349, 0.1359, 0.2692



74.5349, 0.2226, 0.1729



74.5349, 0.5283, 0.3297

Rectangle

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



74.5349, 0.3695, 0.5448



74.5349, 0.2051, 0.4443



74.5349, 0.2226, 0.1729



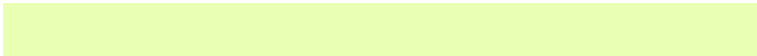
74.5349, 0.4091, 0.2406

Sweetspot

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



74.5382, 0.3695, 0.5448



92.1508, 0.3436, 0.4081



23.2444, 0.6068, 0.3564



19.5264, 0.3477, 0.4197



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.



74.5382, 0.3695, 0.5448



81.6002, 0.3694, 0.5449



66.1895, 0.3081, 0.5935



19.0651, 0.3225, 0.3527



40.2221, 0.3703, 0.5442



3.5867, 0.3766, 0.5392

Inverse Universe

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



7.8672, 0.1666, 0.0692



8.5937, 0.1664, 0.0690



17.2708, 0.2615, 0.1214



16.1529, 0.3023, 0.3048



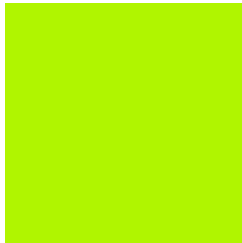
4.2945, 0.1680, 0.0699



0.4271, 0.1808, 0.0769

Previews

White Background



This preview shows how the Yxy color 74.5349, 0.3695, 0.5448 looks on a white background.

Color Contrast Check

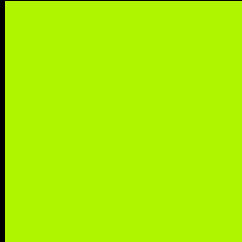
Large Text (above 18pt) WCAG AA × Fail

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 74.5349, 0.3695, 0.5448 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 74.5349, 0.3695, 0.5448

Background



This preview shows how black text looks on a background with the Yxy color 74.5349, 0.3695, 0.5448.



This preview shows how white text looks on a background with the Yxy color 74.5349, 0.3695, 0.5448.

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

74.5349, 0.3695, 0.5448

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

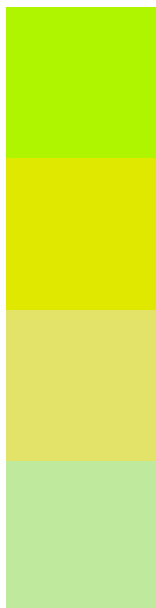
73.5301, 0.3800, 0.3846



Tritanopia

74.2827, 0.2829, 0.3093

Trichromacy



Original Color

74.5349, 0.3695, 0.5448

Protanomaly

73.5605, 0.4133, 0.5101

Deuteranomaly

72.1064, 0.3901, 0.4586

Tritanomaly

72.3563, 0.3310, 0.4202

Monochromacy



Original Color

74.5349, 0.3695, 0.5448

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

60.3926, 0.3541, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5349, 0.3695, 0.5448 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(176, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 245, 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(176, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.5349, 0.3695, 0.5448 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(176, 245, 0) }
```

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

```
.border{ border-color:rgb(176, 245, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 245,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5349, 0.3695, 0.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 245, 0) }
```

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

```
.background{ background-color: rgb(176,  
245, 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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