

Converting Colors

$Y_{xy}(75.4033, 0.3306, 0.5757)$

Have a look what the booklet for
Yxy(75.4033, 0.3306, 0.5757)
contains.

Yxy(75.4419, 0.3308, 0.5755)	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(75.4419, 0.3308, 0.5755)

Conversions

Conversions Part 1

Format	Color
Hex	77FF00
RGB	119, 255, 0
RGB Percent	47%, 100%, 0%
CMY	0.5335, 0.0000, 0.9989
CMYK	0.53, 0.00, 1.00, 0.00
HSL	92°, 100%, 50%
HSV	92°, 100%, 100%
XYZ	43.3643, 75.4419, 12.2831
YIQ	185.2660, 0.7990, -108.1370

Conversions

Conversions Part 2

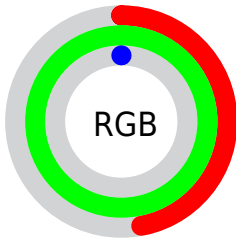
Format	Color
RYB	0, 255, 136
Decimal	7864064
CIELab	89.60, -70.25, 85.43
CIELCh	90, 110.607, 129.432
Yxy	75.4419, 0.3308, 0.5755
Android (android.graphics.Color)	4286054144 (0xFF77FF00)
YUV	185.2660, -91.3361, -58.1153
Hunter-Lab	86.8573, -62.8824, 52.4155

Details

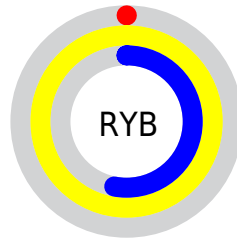
The Yxy color **75.4419, 0.3308, 0.5755** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.4873, 0.2074, 0.0916**, and the grayscale version is **49.2008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3776, 0.3516, 0.5058**, and **40.4247, 0.3075, 0.5941** is the 20% darker color. If you saturate the color by 10%, you get **75.4283, 0.3307, 0.5756**, and if you desaturate by 10%, it is **76.5456, 0.3363, 0.5652**.

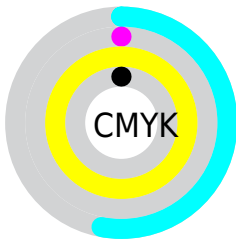
Distribution



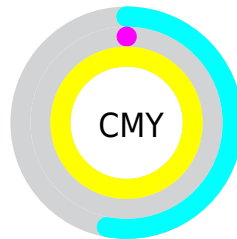
- Red (47%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (53%)



- Cyan (53%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4419, 0.3308, 0.5755 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 75.4419, 0.3308, 0.5755 by changing the saturation by 10% instead.


 75.4419, 0.3308,
0.5755

 75.4419, 0.3308,
0.5755

 479.4351, 0.3350,
0.4576

 55.9750, 0.3260,
0.6009

 126.9377, 0.3353,
0.5353

 40.1829, 0.3181,
0.6306


 159.7354, 0.3362,
0.5193


 27.6812, 0.3052,
0.6652


 197.7454, 0.3365,
0.5055

 18.0854, 0.2874,
0.7124

 241.3522, 0.3365,
0.4934

 11.0114, 0.2513,
0.7487

 290.9402, 0.3363,
0.4828

 6.0745, 0.2014,
0.7986

 346.8937, 0.3359,

 2.8904, 0.1073,

0.4734

0.8927

409.5972, 0.3355,
0.4651

■ 1.0748, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.4419, 0.3308,
0.5755

■ 75.4419, 0.3308,
0.5755

■ 75.4283, 0.3307,
0.5756

■ 76.5456, 0.3363,
0.5652


■ 77.8903, 0.3403,
0.5493

■ 79.5071, 0.3422,
0.5277


■ 81.4185, 0.3419,
0.5015

 83.6441, 0.3396,
0.4723

 86.2012, 0.3358,
0.4417

 89.1057, 0.3308,
0.4111

 92.3723, 0.3250,
0.3817

 96.0148, 0.3189,
0.3541

Harmonies

Analogous

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



75.4419, 0.4402, 0.5232



75.4419, 0.3308, 0.5755



75.4419, 0.2226, 0.5081

Triad

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



75.4419, 0.3308, 0.5755



75.4419, 0.1226, 0.1686



75.4419, 0.5022, 0.2773

Complementary

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



75.4419, 0.3308, 0.5755



12.4873, 0.2074, 0.0916

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.



75.4419, 0.3738, 0.2126



75.4419, 0.3308, 0.5755



75.4419, 0.1638, 0.1533

Square

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



75.4419, 0.3308, 0.5755



75.4419, 0.1156, 0.2269



75.4419, 0.2472, 0.1691



75.4419, 0.5598, 0.3515

Rectangle

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



75.4419, 0.3308, 0.5755



75.4419, 0.1662, 0.4030



75.4419, 0.2472, 0.1691



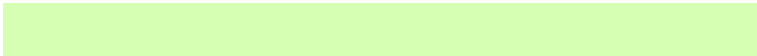
75.4419, 0.4640, 0.2542

Sweetspot

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



75.4394, 0.3308, 0.5755



89.0720, 0.3308, 0.4114



38.9055, 0.5335, 0.4146



18.7940, 0.3330, 0.4242



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.



75.4394, 0.3308, 0.5755



75.4283, 0.3307, 0.5756



71.5410, 0.2996, 0.5985



20.5829, 0.3186, 0.3531



39.4998, 0.3319, 0.5747



3.9102, 0.3406, 0.5677

Inverse Universe

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



12.4873, 0.2074, 0.0916



12.4704, 0.2073, 0.0915



27.9512, 0.3296, 0.1590



17.8554, 0.3063, 0.3050



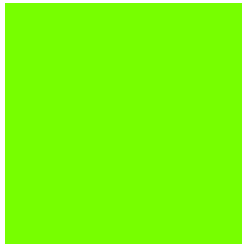
6.6058, 0.2089, 0.0924



0.7082, 0.2208, 0.0990

Previews

White Background



This preview shows how the Yxy color 75.4419, 0.3308, 0.5755 looks on a white background.

Color Contrast Check

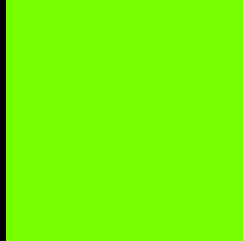
Large Text (above 18pt) WCAG AA × Fail

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 75.4419, 0.3308, 0.5755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

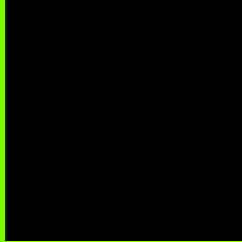
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

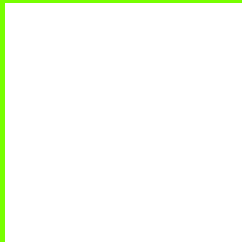
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4419, 0.3308, 0.5755

Background



This preview shows how black text looks on a background with the Yxy color 75.4419, 0.3308, 0.5755.



This preview shows how white text looks on a background with the Yxy color 75.4419, 0.3308, 0.5755.

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

75.4419, 0.3308, 0.5755

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

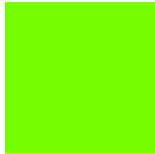
74.0831, 0.3790, 0.3845



Tritanopia

75.0575, 0.2566, 0.3085

Trichromacy



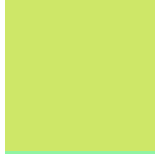
Original Color

75.4419, 0.3308, 0.5755



Protanomaly

72.2540, 0.3959, 0.5238



Deuteranomaly

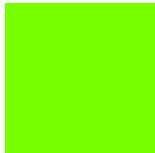
71.2731, 0.3727, 0.4699



Tritanomaly

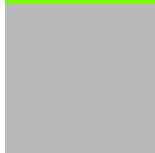
73.2393, 0.2976, 0.4327

Monochromacy



Original Color

75.4419, 0.3308, 0.5755



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.9783, 0.3373, 0.4522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4419, 0.3308, 0.5755 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(119, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 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(119, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.4419, 0.3308, 0.5755 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(119, 255, 0) }
```

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

```
.border{ border-color:rgb(119, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(119, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4419, 0.3308, 0.5755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 0) }
```

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

```
.background{ background-color: rgb(119,  
255, 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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