

Converting Colors

Yxy(75.7644, 0.3039, 0.5163)

Have a look what the booklet for
Yxy(75.7644, 0.3039, 0.5163)
contains.

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Color

Yxy(75.7909, 0.3039, 0.5159)

Conversions

Conversions Part 1

Format	Color
Hex	6CFF6C
RGB	108, 255, 108
RGB Percent	42%, 100%, 42%
CMY	0.5768, 0.0000, 0.5763
CMYK	0.58, 0.00, 0.58, 0.00
HSL	120°, 100%, 71%
HSV	120°, 58%, 100%
XYZ	44.6460, 75.7909, 26.4732
YIQ	194.2890, -40.4250, -76.8810

Conversions

Conversions Part 2

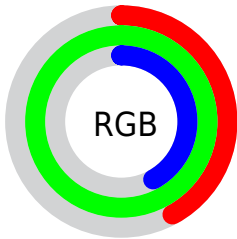
Format	Color
RYB	108, 255, 255
Decimal	7143276
CIELab	89.76, -67.20, 57.52
CIELCh	90, 88.455, 139.437
Yxy	75.7909, 0.3039, 0.5159
Android (android.graphics.Color)	4285333356 (0xFF6CFF6C)
YUV	194.2890, -42.5405, -75.6755
Hunter-Lab	87.0580, -60.8112, 42.9113

Details

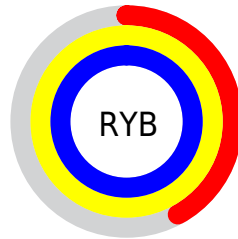
The Yxy color **75.7909, 0.3039, 0.5159** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **39.1825, 0.3192, 0.1935**, and the grayscale version is **54.3924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8223, 0.3122, 0.4370**, and **40.4226, 0.2944, 0.5650** is the 20% darker color. If you saturate the color by 10%, you get **73.9508, 0.3024, 0.5478**, and if you desaturate by 10%, it is **78.2492, 0.3056, 0.4804**.

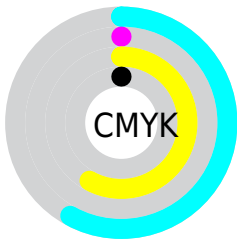
Distribution



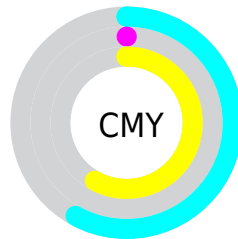
- Red (42%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7909, 0.3039, 0.5159 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 75.7909, 0.3039, 0.5159 by changing the saturation by 10% instead.

 75.7909, 0.3039,
0.5159


 75.7909, 0.3039,
0.5159


480.6316, 0.3136,
0.4233

 56.2611, 0.3000,
0.5379


 127.4313, 0.3086,
0.4829


 40.4123, 0.2943,
0.5653


 160.3106, 0.3100,
0.4703

 27.8601, 0.2856,
0.5999


 198.4086, 0.3111,
0.4595

 18.2203, 0.2719,
0.6442

 242.1096, 0.3119,
0.4502

 11.1082, 0.2494,
0.7018

291.7980, 0.3125,
0.4422

 6.1397, 0.2141,
0.7859

347.8582, 0.3130,

 2.9302, 0.1303,

0.4351

0.8697

410.6746, 0.3133,
0.4288

■ 1.0954, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.7909, 0.3039,
0.5159

■ 75.7909, 0.3039,
0.5159

■ 73.9508, 0.3024,
0.5478

■ 78.2492, 0.3056,
0.4804

■ 72.6839, 0.3012,
0.5734


■ 81.3867, 0.3073,
0.4442

■ 71.9201, 0.3004,
0.5905

■ 85.2440, 0.3089,
0.4093

■ 71.5717, 0.3000,
0.5987

■ 89.8621, 0.3104,
0.3773

 71.5204, 0.3000,
0.6000

 95.2786, 0.3118,
0.3486

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.7909, 0.3986, 0.5123



75.7909, 0.3039, 0.5159



75.7909, 0.2165, 0.4297

Triad

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



75.7909, 0.3039, 0.5159



75.7909, 0.1591, 0.1866



75.7909, 0.4893, 0.3110

Complementary

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



75.7909, 0.3039, 0.5159



39.1825, 0.3192, 0.1935

Split Complementary

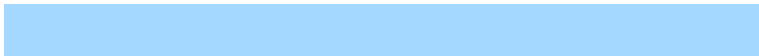
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7909, 0.4001, 0.2493



75.7909, 0.3039, 0.5159



75.7909, 0.2078, 0.1812

Square

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



75.7909, 0.3039, 0.5159



75.7909, 0.1433, 0.2260



75.7909, 0.2922, 0.2035



75.7909, 0.5158, 0.3800

Rectangle

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



75.7909, 0.3039, 0.5159



75.7909, 0.1749, 0.3481



75.7909, 0.2922, 0.2035



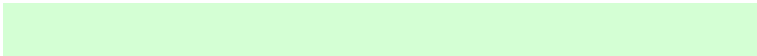
75.7909, 0.4650, 0.2893

Sweetspot

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



75.7871, 0.3039, 0.5159



90.2026, 0.3105, 0.3752



93.8612, 0.3953, 0.4655



19.0927, 0.3102, 0.3813



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

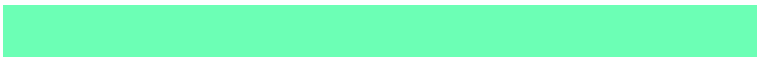
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7871, 0.3039, 0.5159



73.7516, 0.3022, 0.5516



78.0588, 0.2724, 0.4225



20.1684, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.5998

Inverse Universe

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



39.1825, 0.3192, 0.1935



34.0705, 0.3200, 0.1757



35.3250, 0.3979, 0.2556



18.3002, 0.3138, 0.3056



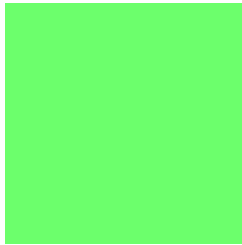
14.8750, 0.3211, 0.1543



1.4484, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 75.7909, 0.3039, 0.5159 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 75.7909, 0.3039, 0.5159 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

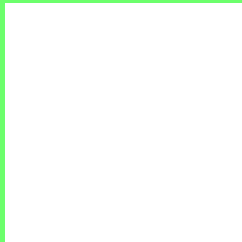
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7909, 0.3039, 0.5159

Background



This preview shows how black text looks on a background with the Yxy color 75.7909, 0.3039, 0.5159.

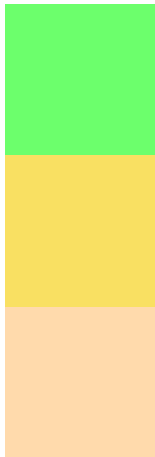


This preview shows how white text looks on a background with the Yxy color 75.7909, 0.3039, 0.5159.

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

75.7909, 0.3039, 0.5159

Protanopia

74.3329, 0.4127, 0.4516

Deuteranopia

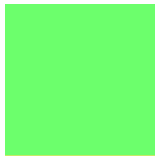
74.3814, 0.3732, 0.3764



Tritanopia

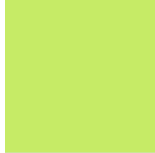
75.3376, 0.2554, 0.3096

Trichromacy



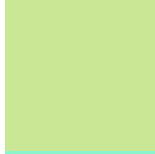
Original Color

75.7909, 0.3039, 0.5159



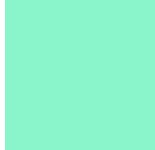
Protanomaly

72.3817, 0.3659, 0.4781



Deuteranomaly

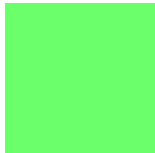
71.8783, 0.3444, 0.4241



Tritanomaly

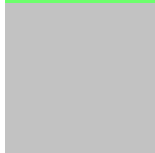
74.3689, 0.2739, 0.3808

Monochromacy



Original Color

75.7909, 0.3039, 0.5159



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5426, 0.3095, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7909, 0.3039, 0.5159 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(108, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 108)  
}
```

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(108, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 108) }
```

Border

The CSS property to change the border of an element to Yxy 75.7909, 0.3039, 0.5159 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(108, 255, 108) }
```

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

```
.border{ border-color:rgb(108, 255, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7909, 0.3039, 0.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 108) }
```

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

```
.background{ background-color: rgb(108,  
255, 108) }
```

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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