

Converting Colors

$Y_{xy}(74.3953, 0.3210, 0.5771)$

Have a look what the booklet for
Yxy(74.3953, 0.3210, 0.5771)
contains.

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Color

Yxy(74.4194, 0.3211, 0.5769)

Conversions

Conversions Part 1

Format	Color
Hex	66FF1A
RGB	102, 255, 26
RGB Percent	40%, 100%, 10%
CMY	0.6002, 0.0000, 0.8980
CMYK	0.60, 0.00, 0.90, 0.00
HSL	100°, 100%, 55%
HSV	100°, 90%, 100%
XYZ	41.4215, 74.4194, 13.1579
YIQ	183.1470, -17.6790, -103.6550

Conversions

Conversions Part 2

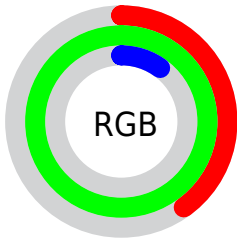
Format	Color
R _Y B	26, 255, 179
Decimal	6749978
CIE Lab	89.12, -74.02, 82.36
CIE LCh	89, 110.739, 131.948
Yxy	74.4194, 0.3211, 0.5769
Android (android.graphics.Color)	4284940058 (0xFF66FF1A)
YUV	183.1470, -77.4735, -71.1659
Hunter-Lab	86.2667, -65.2587, 51.3434

Details

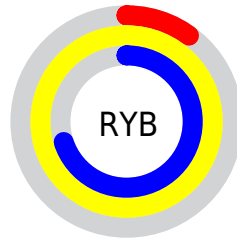
The Yxy color **74.4194, 0.3211, 0.5769** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **17.5501, 0.2458, 0.1165**, and the grayscale version is **47.8712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7649, 0.3393, 0.5055**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.4479, 0.3159, 0.5873**, and if you desaturate by 10%, it is **75.6849, 0.3254, 0.5600**.

Distribution



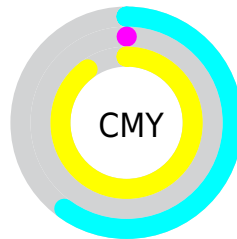
- Red (40%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (70%)



- Cyan (60%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4194, 0.3211, 0.5769 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 74.4194, 0.3211, 0.5769 by changing the saturation by 10% instead.


 74.4194, 0.3211,
0.5769

 74.4194, 0.3211,
0.5769


475.9196, 0.3292,
0.4566


 55.1374, 0.3156,
0.6034


 125.4902, 0.3268,
0.5354


 39.5117, 0.3069,
0.6347


 158.0477, 0.3282,
0.5191


 27.1580, 0.2930,
0.6717


 195.7991, 0.3290,
0.5050

 17.6920, 0.2732,
0.7202

 239.1290, 0.3294,
0.4928

 10.7291, 0.2367,
0.7633

 288.4215, 0.3296,
0.4820

 5.8850, 0.1842,
0.8158


 344.0612, 0.3296,

 2.7752, 0.0687,


0.4726


0.9313

406.4324, 0.3294,
0.4642


 1.0156, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.4194, 0.3211,
0.5769


 74.4194, 0.3211,
0.5769


 73.4479, 0.3159,
0.5873

 75.6849, 0.3254,
0.5600


 73.4310, 0.3158,
0.5875


 77.2931, 0.3282,
0.5367


 79.2694, 0.3293,
0.5085

 81.6384, 0.3288,
0.4771

 84.4224, 0.3270,
0.4446

 87.6420, 0.3241,
0.4126

 91.3159, 0.3206,
0.3821

 95.4621, 0.3167,
0.3540

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.



74.4194, 0.4317, 0.5307



74.4194, 0.3211, 0.5769



74.4194, 0.2139, 0.4975

Triad

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



74.4194, 0.3211, 0.5769



74.4194, 0.1240, 0.1652



74.4194, 0.5117, 0.2830

Complementary

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



74.4194, 0.3211, 0.5769



17.5501, 0.2458, 0.1165

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.



74.4194, 0.3858, 0.2169



74.4194, 0.3211, 0.5769



74.4194, 0.1684, 0.1528

Square

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



74.4194, 0.3211, 0.5769



74.4194, 0.1141, 0.2192



74.4194, 0.2560, 0.1710



74.4194, 0.5614, 0.3579

Rectangle

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



74.4194, 0.3211, 0.5769



74.4194, 0.1597, 0.3894



74.4194, 0.2560, 0.1710



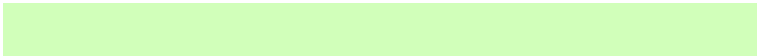
74.4194, 0.4752, 0.2595

Sweetspot

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



74.4164, 0.3211, 0.5769



88.6243, 0.3232, 0.4038



53.4425, 0.4823, 0.4484



18.7139, 0.3243, 0.4145



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.



74.4164, 0.3211, 0.5769



73.4310, 0.3158, 0.5875



72.1119, 0.2944, 0.5720



20.4607, 0.3166, 0.3532



38.4415, 0.3168, 0.5866



3.7996, 0.3253, 0.5799

Inverse Universe

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



17.5501, 0.2458, 0.1165



15.8146, 0.2372, 0.1080



27.0003, 0.3632, 0.1812



17.9809, 0.3085, 0.3052



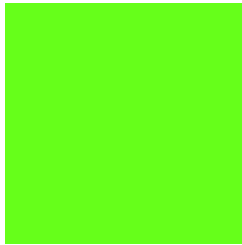
8.3484, 0.2386, 0.1088



0.8725, 0.2481, 0.1140

Previews

White Background



This preview shows how the Yxy color 74.4194, 0.3211, 0.5769 looks on a white background.

Color Contrast Check

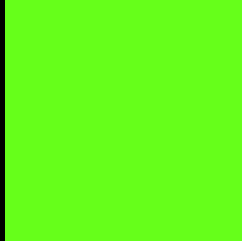
Large Text (above 18pt) WCAG AA × Fail

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 74.4194, 0.3211, 0.5769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

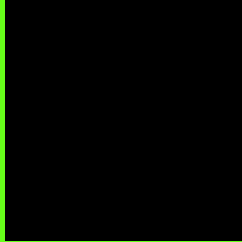
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

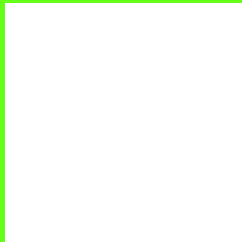
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.4194, 0.3211, 0.5769

Background



This preview shows how black text looks on a background with the Yxy color 74.4194, 0.3211, 0.5769.



This preview shows how white text looks on a background with the Yxy color 74.4194, 0.3211, 0.5769.

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

74.4194, 0.3211, 0.5769

Protanopia

72.5863, 0.4403, 0.4872

Deuteranopia

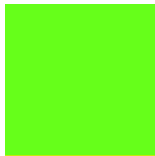
72.8749, 0.3833, 0.3876



Tritanopia

73.9914, 0.2515, 0.3082

Trichromacy



Original Color

74.4194, 0.3211, 0.5769



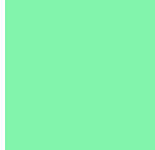
Protanomaly

70.6159, 0.3895, 0.5261



Deuteranomaly

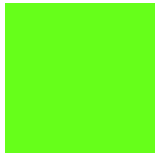
69.8834, 0.3642, 0.4651



Tritanomaly

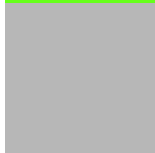
72.5052, 0.2856, 0.4213

Monochromacy



Original Color

74.4194, 0.3211, 0.5769



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.9773, 0.3272, 0.4427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4194, 0.3211, 0.5769 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(102, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 26)  
}
```

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(102, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 26) }
```

Border

The CSS property to change the border of an element to Yxy 74.4194, 0.3211, 0.5769 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(102, 255, 26) }
```

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

```
.border{ border-color:rgb(102, 255, 26) }
```

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

Here you see how a box with a 4 pixel rgb(102, 255, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4194, 0.3211, 0.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 26) }
```

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

```
.background{ background-color: rgb(102,  
255, 26) }
```

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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