

Converting Colors

Yxy(74.6476, 0.3180, 0.5658)

Have a look what the booklet for
Yxy(74.6476, 0.3180, 0.5658)
contains.

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Color

Yxy(74.6426, 0.3180, 0.5658)

Conversions

Conversions Part 1

Format	Color
Hex	67FF33
RGB	103, 255, 51
RGB Percent	40%, 100%, 20%
CMY	0.5961, 0.0000, 0.7999
CMYK	0.60, 0.00, 0.80, 0.00
HSL	105°, 100%, 60%
HSV	105°, 80%, 100%
XYZ	41.9518, 74.6426, 15.3296
YIQ	186.2960, -25.1080, -95.6680

Conversions

Conversions Part 2

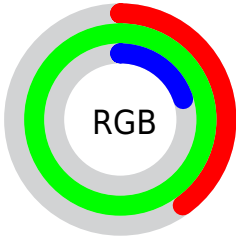
Format	Color
RYB	51, 255, 203
Decimal	6815539
CIELab	89.23, -72.87, 77.38
CIElCh	89, 106.286, 133.279
Yxy	74.6426, 0.3180, 0.5658
Android (android.graphics.Color)	4285005619 (0xFF67FF33)
YUV	186.2960, -66.7009, -73.0506
Hunter-Lab	86.3959, -64.5175, 49.9571

Details

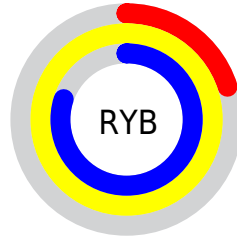
The Yxy color **74.6426, 0.3180, 0.5658** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **22.2879, 0.2695, 0.1369**, and the grayscale version is **49.6721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0597, 0.3337, 0.4922**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.4775, 0.3140, 0.5826**, and if you desaturate by 10%, it is **76.1872, 0.3209, 0.5420**.

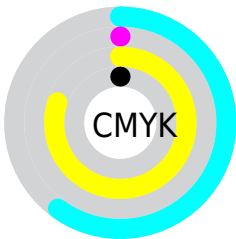
Distribution



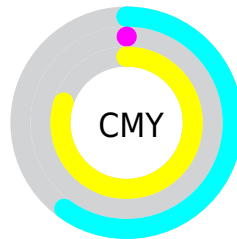
- Red (40%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6426, 0.3180, 0.5658 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 74.6426, 0.3180, 0.5658 by changing the saturation by 10% instead.


 74.6426, 0.3180,
0.5658


 74.6426, 0.3180,
0.5658


476.6882, 0.3260,
0.4501

 55.3201, 0.3130,
0.5918

 125.8063, 0.3233,
0.5256

 39.6581, 0.3050,
0.6230


 158.4164, 0.3246,
0.5098

 27.2721, 0.2925,
0.6603


 196.2244, 0.3254,
0.4963

 17.7777, 0.2729,
0.7063

 239.6148, 0.3259,
0.4846

 10.7905, 0.2410,
0.7590

 288.9720, 0.3261,
0.4743

 5.9261, 0.1892,
0.8108

344.6804, 0.3262,

 2.8002, 0.0802,

0.4653

0.9198

407.1243, 0.3262,
0.4573

■ 1.0283, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.6426, 0.3180,
0.5658

■ 74.6426, 0.3180,
0.5658

■ 73.4775, 0.3140,
0.5826

■ 76.1872, 0.3209,
0.5420

■ 72.6440, 0.3094,
0.5925

■ 78.1432, 0.3226,
0.5129

■ 72.6434, 0.3094,
0.5925

■ 80.5405, 0.3229,
0.4805

■ 83.4056, 0.3221,
0.4470

■ 86.7627, 0.3205,
0.4141

■ 90.6343, 0.3182,
0.3831

■ 95.0416, 0.3156,
0.3546

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.



74.6426, 0.4256, 0.5287



74.6426, 0.3180, 0.5658



74.6426, 0.2143, 0.4833

Triad

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



74.6426, 0.3180, 0.5658



74.6426, 0.1304, 0.1691



74.6426, 0.5079, 0.2885

Complementary

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



74.6426, 0.3180, 0.5658



22.2879, 0.2695, 0.1369

Split Complementary

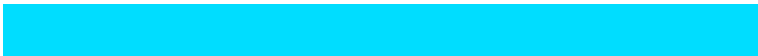
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6426, 0.3893, 0.2231



74.6426, 0.3180, 0.5658



74.6426, 0.1758, 0.1580

Square

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



74.6426, 0.3180, 0.5658



74.6426, 0.1194, 0.2202



74.6426, 0.2632, 0.1771



74.6426, 0.5528, 0.3626

Rectangle

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



74.6426, 0.3180, 0.5658



74.6426, 0.1625, 0.3803



74.6426, 0.2632, 0.1771



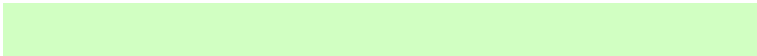
74.6426, 0.4738, 0.2653

Sweetspot

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



74.6432, 0.3180, 0.5658



89.0194, 0.3192, 0.3953



63.0888, 0.4547, 0.4581



18.7618, 0.3200, 0.4064



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.



74.6432, 0.3180, 0.5658



72.9428, 0.3112, 0.5891



73.1179, 0.2889, 0.5367



20.3918, 0.3154, 0.3533



38.0173, 0.3104, 0.5918



3.7510, 0.3181, 0.5856

Inverse Universe

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



22.2879, 0.2695, 0.1369



18.7277, 0.2586, 0.1209



28.1543, 0.3737, 0.1958



18.0537, 0.3097, 0.3053



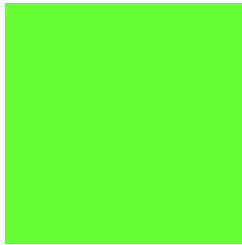
9.5684, 0.2570, 0.1190



0.9837, 0.2646, 0.1231

Previews

White Background



This preview shows how the Yxy color 74.6426, 0.3180, 0.5658 looks on a white background.

Color Contrast Check

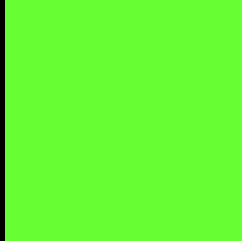
Large Text (above 18pt) WCAG AA × Fail

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 74.6426, 0.3180, 0.5658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

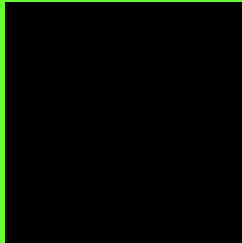
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.6426, 0.3180, 0.5658

Background



This preview shows how black text looks on a background with the Yxy color 74.6426, 0.3180, 0.5658.

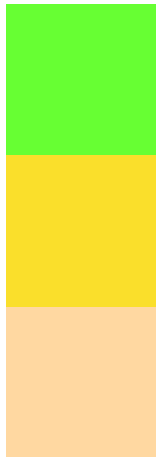


This preview shows how white text looks on a background with the Yxy color 74.6426, 0.3180, 0.5658.

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

74.6426, 0.3180, 0.5658

Protanopia

73.2738, 0.4345, 0.4806

Deuteranopia

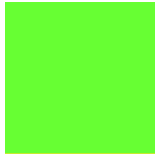
72.9449, 0.3818, 0.3856



Tritanopia

74.1779, 0.2524, 0.3083

Trichromacy



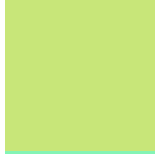
Original Color

74.6426, 0.3180, 0.5658



Protanomaly

71.4842, 0.3849, 0.5169



Deuteranomaly

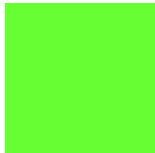
70.2535, 0.3596, 0.4546



Tritanomaly

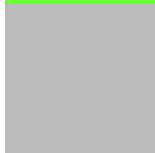
72.9431, 0.2816, 0.4091

Monochromacy



Original Color

74.6426, 0.3180, 0.5658



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4626, 0.3214, 0.4294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6426, 0.3180, 0.5658 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(103, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 51)  
}
```

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(103, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 74.6426, 0.3180, 0.5658 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(103, 255, 51) }
```

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

```
.border{ border-color:rgb(103, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6426, 0.3180, 0.5658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 51) }
```

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

```
.background{ background-color: rgb(103,  
255, 51) }
```

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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