

Converting Colors

$Y_{xy}(75.5410, 0.3151, 0.5425)$

Have a look what the booklet for
Yxy(75.5410, 0.3151, 0.5425)
contains.

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Color

Yxy(75.5439, 0.3151, 0.5423)

Conversions

Conversions Part 1

Format	Color
Hex	70FF50
RGB	112, 255, 80
RGB Percent	44%, 100%, 31%
CMY	0.5607, 0.0000, 0.6861
CMYK	0.56, 0.00, 0.69, 0.00
HSL	109°, 100%, 66%
HSV	109°, 69%, 100%
XYZ	43.8943, 75.5439, 19.8646
YIQ	192.2930, -29.0530, -84.7410

Conversions

Conversions Part 2

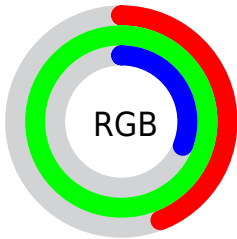
Format	Color
RYB	80, 255, 223
Decimal	7405392
CIELab	89.65, -68.90, 68.72
CIELCh	90, 97.308, 135.074
Yxy	75.5439, 0.3151, 0.5423
Android (android.graphics.Color)	4285595472 (0xFF70FF50)
YUV	192.2930, -55.3604, -70.4170
Hunter-Lab	86.9160, -61.9569, 47.2905

Details

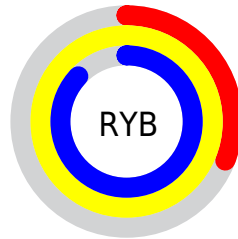
The Yxy color **75.5439, 0.3151, 0.5423** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.6531, 0.2894, 0.1615**, and the grayscale version is **53.2441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4401, 0.3276, 0.4660**, and **40.2558, 0.3049, 0.5961** is the 20% darker color. If you saturate the color by 10%, you get **74.0256, 0.3124, 0.5673**, and if you desaturate by 10%, it is **77.5272, 0.3168, 0.5119**.

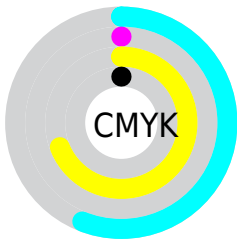
Distribution



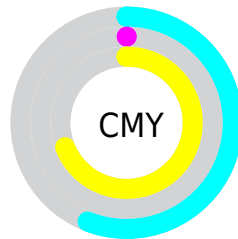
- Red (44%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (87%)



- Cyan (56%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5439, 0.3151, 0.5423 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 75.5439, 0.3151, 0.5423 by changing the saturation by 10% instead.


 75.5439, 0.3151,
0.5423

 75.5439, 0.3151,
0.5423

479.7849, 0.3220,
0.4375

 56.0586, 0.3111,
0.5665

 127.0820, 0.3194,
0.5054

 40.2499, 0.3048,
0.5960


 159.9035, 0.3205,
0.4912

 27.7334, 0.2948,
0.6323


 197.9393, 0.3212,
0.4790

 18.1248, 0.2785,
0.6768

 241.5736, 0.3216,
0.4684

 11.0396, 0.2560,
0.7440

291.1910, 0.3219,
0.4592

 6.0935, 0.2069,
0.7931


347.1757, 0.3220,

 2.9020, 0.1173,


0.4511


0.8827


409.9123, 0.3220,
0.4439


 1.0808, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.5439, 0.3151,
0.5423


 75.5439, 0.3151,
0.5423


 74.0256, 0.3124,
0.5673


 77.5272, 0.3168,
0.5119

 72.9244, 0.3091,
0.5849


 80.0013, 0.3177,
0.4783


 72.1938, 0.3055,
0.5949

 83.0002, 0.3176,
0.4439

 72.1155, 0.3051,
0.5960

 86.5524, 0.3169,
0.4105

 90.6842, 0.3157,
0.3793

 95.4202, 0.3142,
0.3510

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.



75.5439, 0.4161, 0.5197



75.5439, 0.3151, 0.5423



75.5439, 0.2185, 0.4601

Triad

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



75.5439, 0.3151, 0.5423



75.5439, 0.1433, 0.1787



75.5439, 0.4960, 0.2973

Complementary

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



75.5439, 0.3151, 0.5423



28.6531, 0.2894, 0.1615

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.



75.5439, 0.3907, 0.2341



75.5439, 0.3151, 0.5423



75.5439, 0.1891, 0.1692

Square

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



75.5439, 0.3151, 0.5423



75.5439, 0.1313, 0.2256



75.5439, 0.2739, 0.1889



75.5439, 0.5345, 0.3689

Rectangle

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



75.5439, 0.3151, 0.5423



75.5439, 0.1708, 0.3684



75.5439, 0.2739, 0.1889



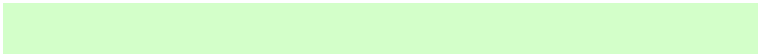
75.5439, 0.4662, 0.2749

Sweetspot

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



75.5468, 0.3151, 0.5423



89.6428, 0.3160, 0.3865



74.5749, 0.4263, 0.4604



18.9388, 0.3164, 0.3951



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.



75.5468, 0.3151, 0.5423



73.6075, 0.3114, 0.5741



74.9892, 0.2828, 0.4878



20.3278, 0.3143, 0.3534



37.7275, 0.3058, 0.5954



3.7144, 0.3124, 0.5902

Inverse Universe

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



28.6531, 0.2894, 0.1615



23.8821, 0.2829, 0.1420



31.1549, 0.3806, 0.2176



18.1226, 0.3109, 0.3054



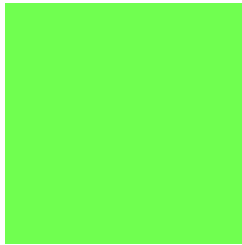
10.8685, 0.2749, 0.1288



1.0999, 0.2804, 0.1319

Previews

White Background



This preview shows how the Yxy color 75.5439, 0.3151, 0.5423 looks on a white background.

Color Contrast Check

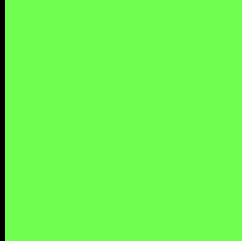
Large Text (above 18pt) WCAG AA × Fail

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 75.5439, 0.3151, 0.5423 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

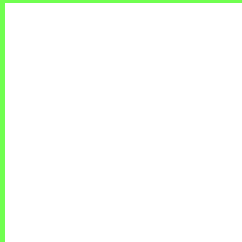
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.5439, 0.3151, 0.5423

Background



This preview shows how black text looks on a background with the Yxy color 75.5439, 0.3151, 0.5423.

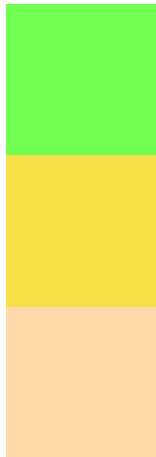


This preview shows how white text looks on a background with the Yxy color 75.5439, 0.3151, 0.5423.

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

75.5439, 0.3151, 0.5423

Protanopia

74.1032, 0.4250, 0.4683

Deuteranopia

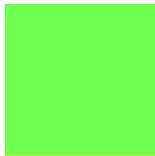
74.2300, 0.3761, 0.3804



Tritanopia

74.8563, 0.2557, 0.3084

Trichromacy



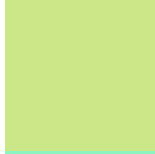
Original Color

75.5439, 0.3151, 0.5423



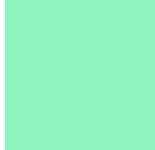
Protanomaly

72.2040, 0.3787, 0.4990



Deuteranomaly

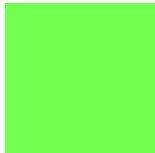
71.6259, 0.3529, 0.4385



Tritanomaly

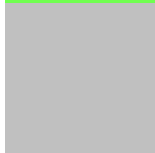
74.0384, 0.2805, 0.3950

Monochromacy



Original Color

75.5439, 0.3151, 0.5423



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.6218, 0.3172, 0.4133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5439, 0.3151, 0.5423 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(112, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 80)  
}
```

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(112, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 80) }
```

Border

The CSS property to change the border of an element to Yxy 75.5439, 0.3151, 0.5423 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(112, 255, 80) }
```

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

```
.border{ border-color:rgb(112, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5439, 0.3151, 0.5423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 80) }
```

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

```
.background{ background-color: rgb(112,  
255, 80) }
```

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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