

Converting Colors

$Y_{xy}(75.0243, 0.2988, 0.5194)$

Have a look what the booklet for
Yxy(75.0243, 0.2988, 0.5194)
contains.

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Color

Yxy(75.0356, 0.2986, 0.5189)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF6C
RGB	95, 255, 108
RGB Percent	37%, 100%, 42%
CMY	0.6278, 0.0000, 0.5765
CMYK	0.63, 0.00, 0.58, 0.00
HSL	125°, 100%, 69%
HSV	125°, 63%, 100%
XYZ	43.1791, 75.0356, 26.3904
YIQ	190.4020, -48.1730, -79.6370

Conversions

Conversions Part 2

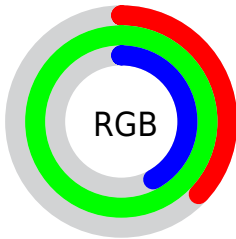
Format	Color
RYB	95, 243, 255
Decimal	6291308
CIELab	89.41, -69.98, 57.04
CIELCh	89, 90.286, 140.817
Yxy	75.0356, 0.2986, 0.5189
Android (android.graphics.Color)	4284481388 (0xFF5FFF6C)
YUV	190.4020, -40.6242, -83.6676
Hunter-Lab	86.6231, -62.6134, 42.5730

Details

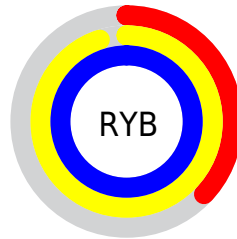
The Yxy color **75.0356, 0.2986, 0.5189** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **35.8365, 0.3319, 0.1939**, and the grayscale version is **51.9804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6379, 0.3059, 0.4391**, and **40.1895, 0.2909, 0.5673** is the 20% darker color. If you saturate the color by 10%, you get **73.4497, 0.2977, 0.5486**, and if you desaturate by 10%, it is **77.1928, 0.3001, 0.4858**.

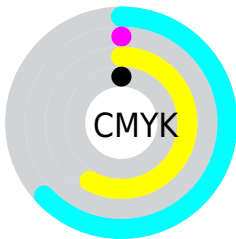
Distribution



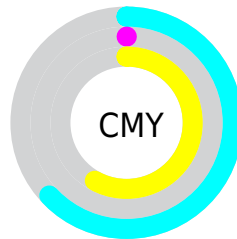
- Red (37%)
- Green (100%)
- Blue (42%)



- Red (37%)
- Yellow (95%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0356, 0.2986, 0.5189 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 75.0356, 0.2986, 0.5189 by changing the saturation by 10% instead.


 75.0356, 0.2986,
0.5189

 75.0356, 0.2986,
0.5189


478.0399, 0.3109,
0.4243

 55.6421, 0.2941,
0.5415


 126.3628, 0.3042,
0.4851

 39.9160, 0.2877,
0.5697


 159.0652, 0.3059,
0.4722

 27.4731, 0.2780,
0.6054


 196.9726, 0.3073,
0.4612

 17.9288, 0.2630,
0.6514

 240.4696, 0.3084,
0.4518

 10.8989, 0.2389,
0.7113

289.9404, 0.3092,
0.4435

 5.9989, 0.2013,
0.7987


345.7694, 0.3099,

 2.8444, 0.1051,


0.4363


0.8949

408.3412, 0.3104,
0.4300


 1.0510, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.0356, 0.2986,
0.5189

 75.0356, 0.2986,
0.5189


 73.4497, 0.2977,
0.5486


 77.1928, 0.3001,
0.4858


 72.3922, 0.2977,
0.5725


 79.9842, 0.3022,
0.4518


 71.7909, 0.2983,
0.5889

 83.4492, 0.3046,
0.4187

 71.5735, 0.2989,
0.5960

 87.6276, 0.3071,
0.3878

 92.5564, 0.3096,
0.3600

 98.2699, 0.3121,
0.3353

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.



75.0356, 0.3953, 0.5180



75.0356, 0.2986, 0.5189



75.0356, 0.2107, 0.4267

Triad

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



75.0356, 0.2986, 0.5189



75.0356, 0.1578, 0.1829



75.0356, 0.4963, 0.3132

Complementary

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



75.0356, 0.2986, 0.5189



35.8365, 0.3319, 0.1939

Split Complementary

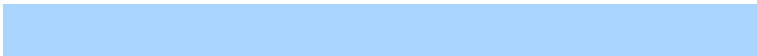
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.0356, 0.4071, 0.2503



75.0356, 0.2986, 0.5189



75.0356, 0.2088, 0.1790

Square

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



75.0356, 0.2986, 0.5189



75.0356, 0.1403, 0.2208



75.0356, 0.2963, 0.2028



75.0356, 0.5196, 0.3834

Rectangle

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



75.0356, 0.2986, 0.5189



75.0356, 0.1698, 0.3427



75.0356, 0.2963, 0.2028



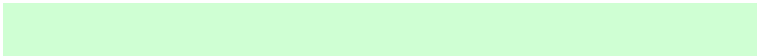
75.0356, 0.4725, 0.2912

Sweetspot

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



75.0310, 0.2986, 0.5189



89.3991, 0.3081, 0.3769



91.6366, 0.3931, 0.4787



18.8458, 0.3073, 0.3852



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.



75.0310, 0.2986, 0.5189



73.1715, 0.2977, 0.5544



77.4781, 0.2659, 0.4179



20.1922, 0.3104, 0.3515



37.4070, 0.2986, 0.5948



3.6501, 0.2954, 0.5836

Inverse Universe

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



35.8365, 0.3319, 0.1939



31.1535, 0.3359, 0.1783



32.1206, 0.4236, 0.2614



18.2733, 0.3151, 0.3075



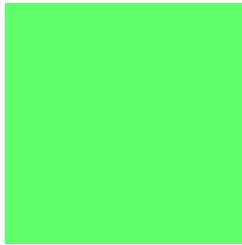
14.2290, 0.3426, 0.1661



1.3927, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 75.0356, 0.2986, 0.5189 looks on a white background.

Color Contrast Check

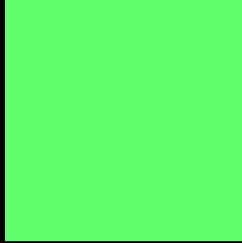
Large Text (above 18pt) WCAG AA × Fail

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 75.0356, 0.2986, 0.5189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

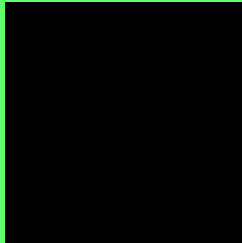
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0356, 0.2986, 0.5189

Background



This preview shows how black text looks on a background with the Yxy color 75.0356, 0.2986, 0.5189.



This preview shows how white text looks on a background with the Yxy color 75.0356, 0.2986, 0.5189.

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

75.0356, 0.2986, 0.5189

Protanopia

73.4314, 0.4118, 0.4517

Deuteranopia

73.1989, 0.3768, 0.3785



Tritanopia

74.5721, 0.2517, 0.3094

Trichromacy



Original Color

75.0356, 0.2986, 0.5189



Protanomaly

71.5824, 0.3614, 0.4805



Deuteranomaly

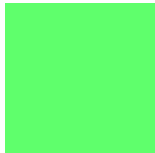
70.5393, 0.3427, 0.4278



Tritanomaly

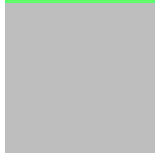
73.5548, 0.2693, 0.3815

Monochromacy



Original Color

75.0356, 0.2986, 0.5189



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.5998, 0.3058, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0356, 0.2986, 0.5189 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(95, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(95, 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(95, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 108) }
```

Border

The CSS property to change the border of an element to Yxy 75.0356, 0.2986, 0.5189 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(95, 255, 108) }
```

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

```
.border{ border-color:rgb(95, 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(95, 255, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0356, 0.2986, 0.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 108) }
```

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

```
.background{ background-color: rgb(95, 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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