

Converting Colors

Yxy(75.8761, 0.3040, 0.5145)

Have a look what the booklet for
Yxy(75.8761, 0.3040, 0.5145)
contains.

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Color

Yxy(75.8753, 0.3040, 0.5146)

Conversions

Conversions Part 1

Format	Color
Hex	6DFF6D
RGB	109, 255, 109
RGB Percent	43%, 100%, 43%
CMY	0.5727, 0.0000, 0.5726
CMYK	0.57, 0.00, 0.57, 0.00
HSL	120°, 100%, 71%
HSV	120°, 57%, 100%
XYZ	44.8233, 75.8753, 26.7466
YIQ	194.7020, -40.1500, -76.3580

Conversions

Conversions Part 2

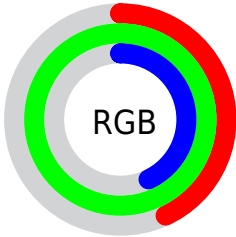
Format	Color
RYB	109, 255, 255
Decimal	7208813
CIELab	89.80, -66.85, 57.16
CIELCh	90, 87.958, 139.469
Yxy	75.8753, 0.3040, 0.5146
Android (android.graphics.Color)	4285398893 (0xFF6DFF6D)
YUV	194.7020, -42.2511, -75.1607
Hunter-Lab	87.1064, -60.5835, 42.7691

Details

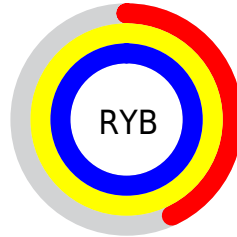
The Yxy color **75.8753, 0.3040, 0.5146** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **39.4092, 0.3191, 0.1942**, and the grayscale version is **54.6535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9710, 0.3123, 0.4357**, and **40.4601, 0.2945, 0.5636** is the 20% darker color. If you saturate the color by 10%, you get **74.0125, 0.3025, 0.5467**, and if you desaturate by 10%, it is **78.3617, 0.3057, 0.4790**.

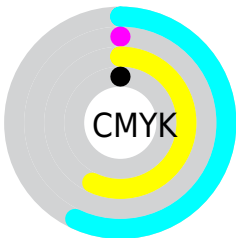
Distribution



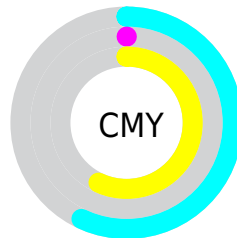
- Red (43%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8753, 0.3040, 0.5146 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 75.8753, 0.3040, 0.5146 by changing the saturation by 10% instead.


 75.8753, 0.3040,
0.5146

 75.8753, 0.3040,
0.5146


480.9207, 0.3136,
0.4226

 56.3303, 0.3002,
0.5365


 127.5506, 0.3086,
0.4818

 40.4678, 0.2946,
0.5637


 160.4497, 0.3100,
0.4693

 27.9035, 0.2860,
0.5980


 198.5689, 0.3111,
0.4586

 18.2529, 0.2725,
0.6421

 242.2926, 0.3119,
0.4494

 11.1317, 0.2502,
0.6994

292.0053, 0.3125,
0.4414

 6.1555, 0.2157,
0.7843


348.0913, 0.3129,


 2.9399, 0.1331,

0.4344

0.8669


410.9349, 0.3133,
0.4282


 1.1004, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 75.8753, 0.3040,
0.5146


 75.8753, 0.3040,
0.5146


 74.0125, 0.3025,
0.5467


 78.3617, 0.3057,
0.4790


 72.7240, 0.3013,
0.5726


 81.5277, 0.3074,
0.4428


 71.9416, 0.3005,
0.5900

 85.4156, 0.3090,
0.4080

 71.5803, 0.3001,
0.5985

 90.0661, 0.3105,
0.3760

 71.5201, 0.3000,
0.6000

 95.5167, 0.3118,
0.3475

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.



75.8753, 0.3982, 0.5114



75.8753, 0.3040, 0.5146



75.8753, 0.2170, 0.4289

Triad

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



75.8753, 0.3040, 0.5146



75.8753, 0.1598, 0.1872



75.8753, 0.4884, 0.3113

Complementary

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



75.8753, 0.3040, 0.5146



39.4092, 0.3191, 0.1942

Split Complementary

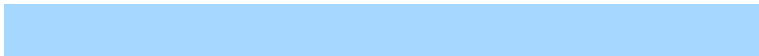
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8753, 0.3997, 0.2498



75.8753, 0.3040, 0.5146



75.8753, 0.2084, 0.1819

Square

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



75.8753, 0.3040, 0.5146



75.8753, 0.1441, 0.2265



75.8753, 0.2924, 0.2041



75.8753, 0.5148, 0.3800

Rectangle

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



75.8753, 0.3040, 0.5146



75.8753, 0.1756, 0.3480



75.8753, 0.2924, 0.2041



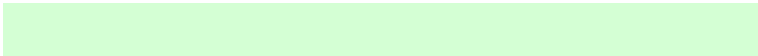
75.8753, 0.4642, 0.2897

Sweetspot

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



75.8731, 0.3040, 0.5146



90.2012, 0.3105, 0.3752



93.8834, 0.3948, 0.4647



19.0924, 0.3103, 0.3814



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.



75.8731, 0.3040, 0.5146



73.7500, 0.3023, 0.5517



78.1459, 0.2725, 0.4217



20.1682, 0.3116, 0.3536



37.3708, 0.3000, 0.6000



3.6387, 0.3000, 0.6000

Inverse Universe

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



39.4092, 0.3191, 0.1942



34.0776, 0.3199, 0.1756



35.5673, 0.3970, 0.2560



18.3004, 0.3138, 0.3056



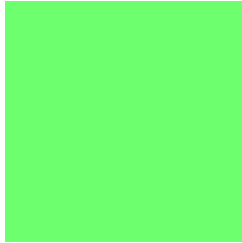
14.8802, 0.3210, 0.1542



1.4489, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 75.8753, 0.3040, 0.5146 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 75.8753, 0.3040, 0.5146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

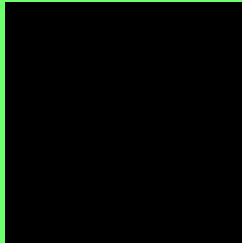
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

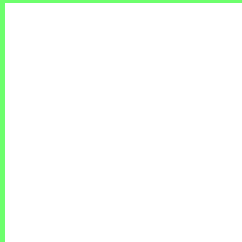
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8753, 0.3040, 0.5146

Background



This preview shows how black text looks on a background with the Yxy color 75.8753, 0.3040, 0.5146.

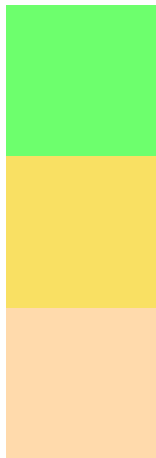


This preview shows how white text looks on a background with the Yxy color 75.8753, 0.3040, 0.5146.

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

75.8753, 0.3040, 0.5146

Protanopia

74.3519, 0.4122, 0.4509

Deuteranopia

74.3814, 0.3732, 0.3764



Tritanopia

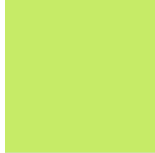
75.4370, 0.2558, 0.3096

Trichromacy



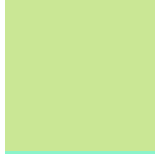
Original Color

75.8753, 0.3040, 0.5146



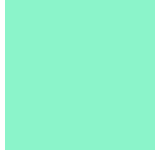
Protanomaly

72.4017, 0.3654, 0.4772



Deuteranomaly

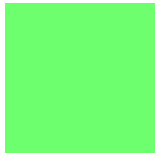
71.8783, 0.3444, 0.4241



Tritanomaly

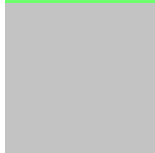
74.4546, 0.2744, 0.3808

Monochromacy



Original Color

75.8753, 0.3040, 0.5146



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.1986, 0.3095, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8753, 0.3040, 0.5146 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(109, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 109)  
}
```

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(109, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 75.8753, 0.3040, 0.5146 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(109, 255, 109) }
```

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

```
.border{ border-color:rgb(109, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8753, 0.3040, 0.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 109) }
```

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

```
.background{ background-color: rgb(109,  
255, 109) }
```

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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