

Converting Colors

$Y_{xy}(75.3981, 0.3005, 0.5160)$

Have a look what the booklet for
Yxy(75.3981, 0.3005, 0.5160)
contains.

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Color

Yxy(75.3908, 0.3006, 0.5164)

Conversions

Conversions Part 1

Format	Color
Hex	65FF6D
RGB	101, 255, 109
RGB Percent	40%, 100%, 43%
CMY	0.6041, 0.0000, 0.5724
CMYK	0.60, 0.00, 0.57, 0.00
HSL	123°, 100%, 70%
HSV	123°, 60%, 100%
XYZ	43.8855, 75.3908, 26.7167
YIQ	192.3100, -44.9180, -78.0540

Conversions

Conversions Part 2

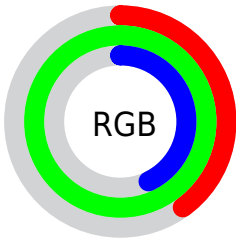
Format	Color
RYB	101, 247, 255
Decimal	6684525
CIELab	89.58, -68.61, 56.82
CIElCh	90, 89.085, 140.373
Yxy	75.3908, 0.3006, 0.5164
Android (android.graphics.Color)	4284874605 (0xFF65FF6D)
YUV	192.3100, -41.0718, -80.0789
Hunter-Lab	86.8279, -61.7293, 42.5361

Details

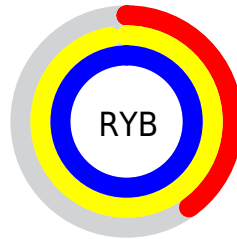
The Yxy color **75.3908, 0.3006, 0.5164** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.2709, 0.3268, 0.1944**, and the grayscale version is **53.1629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1997, 0.3082, 0.4370**, and **40.1988, 0.2906, 0.5662** is the 20% darker color. If you saturate the color by 10%, you get **73.6885, 0.2995, 0.5471**, and if you desaturate by 10%, it is **77.6900, 0.3022, 0.4824**.

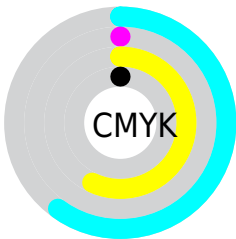
Distribution



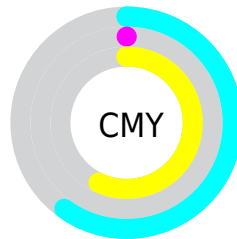
- Red (40%)
- Green (100%)
- Blue (43%)



- Red (40%)
- Yellow (97%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3908, 0.3006, 0.5164 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 75.3908, 0.3006, 0.5164 by changing the saturation by 10% instead.

 75.3908, 0.3006,
0.5164


 75.3908, 0.3006,
0.5164


479.2597, 0.3118,
0.4232

 55.9331, 0.2964,
0.5386

 126.8654, 0.3058,
0.4831

 40.1493, 0.2903,
0.5663


 159.6511, 0.3074,
0.4704

 27.6550, 0.2812,
0.6014


 197.6483, 0.3087,
0.4596

 18.0657, 0.2668,
0.6465

 241.2413, 0.3096,
0.4503

 10.9972, 0.2436,
0.7053

290.8145, 0.3104,
0.4422

 6.0649, 0.2075,
0.7925


346.7524, 0.3110,

 2.8846, 0.1177,


0.4351

0.8823


409.4394, 0.3114,
0.4288

 1.0718, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.3908, 0.3006,
0.5164

 75.3908, 0.3006,
0.5164

 73.6885, 0.2995,
0.5471


 77.6900, 0.3022,
0.4824

 72.5310, 0.2989,
0.5719

 80.6387, 0.3042,
0.4475

 71.8507, 0.2990,
0.5890

 84.2795, 0.3064,
0.4138

 71.5500, 0.2994,
0.5977

 88.6526, 0.3085,
0.3827

 93.7948, 0.3107,
0.3546

99.7408, 0.3126,
0.3299

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.



75.3908, 0.3961, 0.5150



75.3908, 0.3006, 0.5164



75.3908, 0.2133, 0.4269

Triad

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



75.3908, 0.3006, 0.5164



75.3908, 0.1591, 0.1849



75.3908, 0.4928, 0.3128

Complementary

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



75.3908, 0.3006, 0.5164



37.2709, 0.3268, 0.1944

Split Complementary

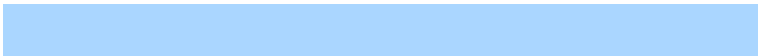
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3908, 0.4042, 0.2505



75.3908, 0.3006, 0.5164



75.3908, 0.2091, 0.1806

Square

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



75.3908, 0.3006, 0.5164



75.3908, 0.1422, 0.2232



75.3908, 0.2951, 0.2037



75.3908, 0.5171, 0.3822

Rectangle

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



75.3908, 0.3006, 0.5164



75.3908, 0.1723, 0.3445



75.3908, 0.2951, 0.2037



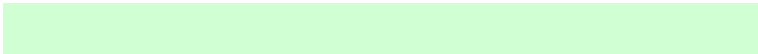
75.3908, 0.4689, 0.2909

Sweetspot

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



75.3895, 0.3006, 0.5164



89.8185, 0.3091, 0.3756



92.2873, 0.3928, 0.4734



18.9243, 0.3084, 0.3842



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.



75.3895, 0.3006, 0.5164



73.4692, 0.2993, 0.5515



77.8163, 0.2679, 0.4174



20.1836, 0.3108, 0.3523



37.3927, 0.2991, 0.5968



3.6460, 0.2970, 0.5893

Inverse Universe

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



37.2709, 0.3268, 0.1944



32.4330, 0.3295, 0.1779



33.4731, 0.4139, 0.2605



18.2830, 0.3146, 0.3068



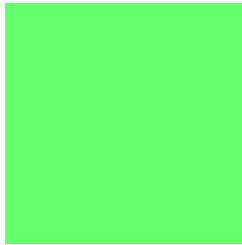
14.4542, 0.3345, 0.1617



1.4122, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 75.3908, 0.3006, 0.5164 looks on a white background.

Color Contrast Check

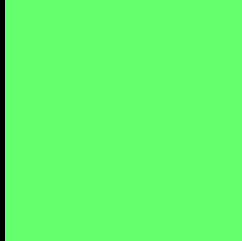
Large Text (above 18pt) WCAG AA × Fail

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 75.3908, 0.3006, 0.5164 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 75.3908, 0.3006, 0.5164

Background



This preview shows how black text looks on a background with the Yxy color 75.3908, 0.3006, 0.5164.

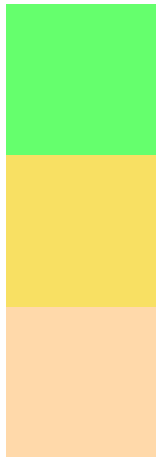


This preview shows how white text looks on a background with the Yxy color 75.3908, 0.3006, 0.5164.

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

75.3908, 0.3006, 0.5164

Protanopia

74.1686, 0.4114, 0.4513

Deuteranopia

73.7880, 0.3750, 0.3774



Tritanopia

74.9484, 0.2535, 0.3095

Trichromacy



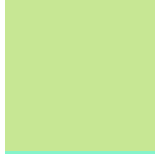
Original Color

75.3908, 0.3006, 0.5164



Protanomaly

71.9980, 0.3632, 0.4784



Deuteranomaly

71.4321, 0.3428, 0.4260



Tritanomaly

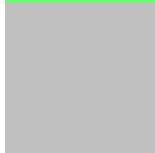
73.9522, 0.2716, 0.3812

Monochromacy



Original Color

75.3908, 0.3006, 0.5164



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5804, 0.3073, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3908, 0.3006, 0.5164 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(101, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 75.3908, 0.3006, 0.5164 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(101, 255, 109) }
```

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

```
.border{ border-color:rgb(101, 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(101, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3908, 0.3006, 0.5164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 109) }
```

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

```
.background{ background-color: rgb(101,  
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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