

Converting Colors

$Y_{xy}(75.6161, 0.3038, 0.5188)$

Have a look what the booklet for
Yxy(75.6161, 0.3038, 0.5188)
contains.

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Color

Yxy(75.6248, 0.3038, 0.5186)

Conversions

Conversions Part 1

Format	Color
Hex	6AFF6A
RGB	106, 255, 106
RGB Percent	42%, 100%, 42%
CMY	0.5845, 0.0000, 0.5843
CMYK	0.58, 0.00, 0.58, 0.00
HSL	120°, 100%, 71%
HSV	120°, 58%, 100%
XYZ	44.3016, 75.6248, 25.8985
YIQ	193.4630, -40.9750, -77.9270

Conversions

Conversions Part 2

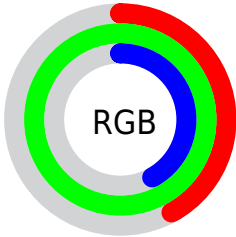
Format	Color
RYB	106, 255, 255
Decimal	7012202
CIELab	89.68, -67.87, 58.30
CIELCh	90, 89.468, 139.338
Yxy	75.6248, 0.3038, 0.5186
Android (android.graphics.Color)	4285202282 (0xFF6AFF6A)
YUV	193.4630, -43.1193, -76.7051
Hunter-Lab	86.9625, -61.2506, 43.2165

Details

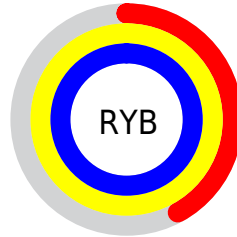
The Yxy color **75.6248, 0.3038, 0.5186** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **38.7759, 0.3192, 0.1921**, and the grayscale version is **53.8843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5282, 0.3121, 0.4398**, and **40.3115, 0.2940, 0.5690** is the 20% darker color. If you saturate the color by 10%, you get **73.8323, 0.3023, 0.5501**, and if you desaturate by 10%, it is **78.0341, 0.3055, 0.4833**.

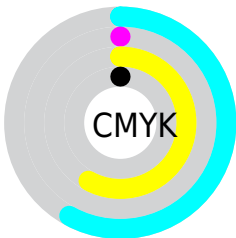
Distribution



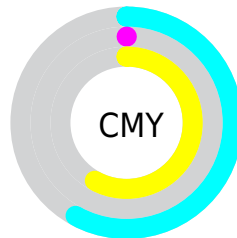
- Red (42%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6248, 0.3038, 0.5186 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 75.6248, 0.3038, 0.5186 by changing the saturation by 10% instead.


 75.6248, 0.3038,
0.5186


 75.6248, 0.3038,
0.5186

480.0623, 0.3138,
0.4246


 56.1249, 0.2998,
0.5409


 127.1964, 0.3086,
0.4851


 40.3031, 0.2939,
0.5687


 160.0369, 0.3101,
0.4723

 27.7749, 0.2850,
0.6037


 198.0930, 0.3112,
0.4614

 18.1561, 0.2709,
0.6485

 241.7492, 0.3120,
0.4520

 11.0621, 0.2479,
0.7069

291.3899, 0.3126,
0.4438

 6.1086, 0.2111,
0.7889


347.3993, 0.3131,

 2.9112, 0.1246,


0.4366


0.8754


410.1620, 0.3135,
0.4302


 1.0856, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6248, 0.3038,
0.5186


 75.6248, 0.3038,
0.5186


 73.8323, 0.3023,
0.5501


 78.0341, 0.3055,
0.4833


 72.6071, 0.3012,
0.5751


 81.1177, 0.3072,
0.4470


 71.8793, 0.3004,
0.5914

 84.9181, 0.3088,
0.4120

 71.5544, 0.3000,
0.5992

 89.4763, 0.3103,
0.3796

 71.5202, 0.3000,
0.6000

 94.8303, 0.3117,
0.3507

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.



75.6248, 0.3994, 0.5141



75.6248, 0.3038, 0.5186



75.6248, 0.2155, 0.4315

Triad

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



75.6248, 0.3038, 0.5186



75.6248, 0.1576, 0.1852



75.6248, 0.4912, 0.3103

Complementary

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



75.6248, 0.3038, 0.5186



38.7759, 0.3192, 0.1921

Split Complementary

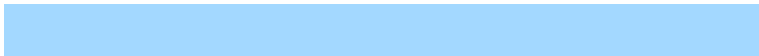
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6248, 0.4007, 0.2483



75.6248, 0.3038, 0.5186



75.6248, 0.2065, 0.1799

Square

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



75.6248, 0.3038, 0.5186



75.6248, 0.1418, 0.2250



75.6248, 0.2915, 0.2022



75.6248, 0.5180, 0.3798

Rectangle

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



75.6248, 0.3038, 0.5186



75.6248, 0.1736, 0.3486



75.6248, 0.2915, 0.2022



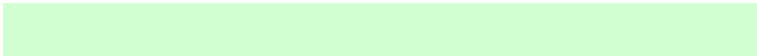
75.6248, 0.4666, 0.2885

Sweetspot

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



75.6223, 0.3038, 0.5186



89.6991, 0.3104, 0.3783



93.8197, 0.3961, 0.4669



18.8960, 0.3100, 0.3873



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.



75.6223, 0.3038, 0.5186



73.6067, 0.3021, 0.5545



77.8963, 0.2721, 0.4240



20.1683, 0.3116, 0.3536



37.3709, 0.3000, 0.6000



3.6387, 0.3000, 0.5999

Inverse Universe

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



38.7759, 0.3192, 0.1921



33.7142, 0.3200, 0.1743



34.8740, 0.3996, 0.2549



18.3003, 0.3138, 0.3056



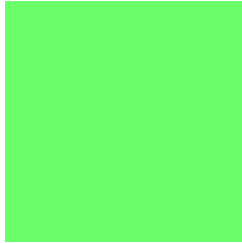
14.8786, 0.3210, 0.1542



1.4487, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 75.6248, 0.3038, 0.5186 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 75.6248, 0.3038, 0.5186 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 75.6248, 0.3038, 0.5186

Background



This preview shows how black text looks on a background with the Yxy color 75.6248, 0.3038, 0.5186.



This preview shows how white text looks on a background with the Yxy color 75.6248, 0.3038, 0.5186.

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

75.6248, 0.3038, 0.5186

Protanopia

74.2956, 0.4137, 0.4531

Deuteranopia

73.8260, 0.3742, 0.3764



Tritanopia

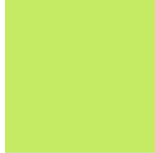
75.2391, 0.2549, 0.3096

Trichromacy



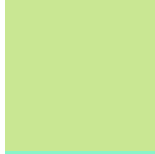
Original Color

75.6248, 0.3038, 0.5186



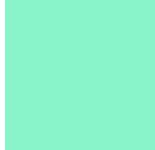
Protanomaly

72.2071, 0.3661, 0.4803



Deuteranomaly

71.6759, 0.3448, 0.4267



Tritanomaly

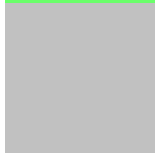
74.2368, 0.2740, 0.3822

Monochromacy



Original Color

75.6248, 0.3038, 0.5186



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2620, 0.3093, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6248, 0.3038, 0.5186 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(106, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 106)  
}
```

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(106, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 106) }
```

Border

The CSS property to change the border of an element to Yxy 75.6248, 0.3038, 0.5186 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(106, 255, 106) }
```

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

```
.border{ border-color:rgb(106, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6248, 0.3038, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 106) }
```

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

```
.background{ background-color: rgb(106,  
255, 106) }
```

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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