

Converting Colors

$Y_{xy}(75.7887, 0.3049, 0.5178)$

Have a look what the booklet for
Yxy(75.7887, 0.3049, 0.5178)
contains.

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Color

Yxy(75.8118, 0.3051, 0.5179)

Conversions

Conversions Part 1

Format	Color
Hex	6DFF6A
RGB	109, 255, 106
RGB Percent	43%, 100%, 42%
CMY	0.5728, 0.0000, 0.5844
CMYK	0.57, 0.00, 0.58, 0.00
HSL	119°, 100%, 71%
HSV	119°, 58%, 100%
XYZ	44.6615, 75.8118, 25.9098
YIQ	194.3600, -39.1870, -77.2910

Conversions

Conversions Part 2

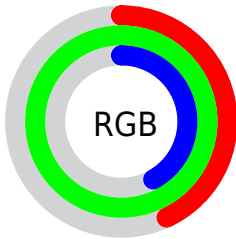
Format	Color
RYB	106, 255, 252
Decimal	7208810
CIELab	89.77, -67.20, 58.43
CIELCh	90, 89.046, 138.992
Yxy	75.8118, 0.3051, 0.5179
Android (android.graphics.Color)	4285398890 (0xFF6DFF6A)
YUV	194.3600, -43.5615, -74.8607
Hunter-Lab	87.0700, -60.8131, 43.3058

Details

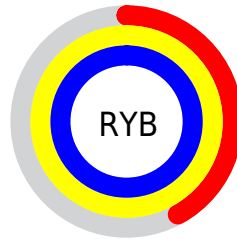
The Yxy color **75.8118, 0.3051, 0.5179** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **38.2299, 0.3164, 0.1909**, and the grayscale version is **54.4404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8639, 0.3138, 0.4392**, and **40.4240, 0.2957, 0.5679** is the 20% darker color. If you saturate the color by 10%, you get **73.9885, 0.3035, 0.5494**, and if you desaturate by 10%, it is **78.2346, 0.3067, 0.4827**.

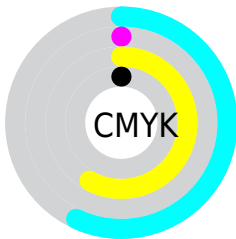
Distribution



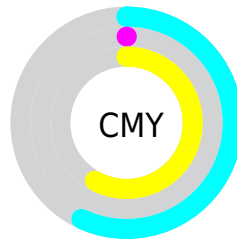
- Red (43%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (99%)



- Cyan (57%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8118, 0.3051, 0.5179 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 75.8118, 0.3051, 0.5179 by changing the saturation by 10% instead.

 75.8118, 0.3051,
0.5179


 75.8118, 0.3051,
0.5179


480.7032, 0.3144,
0.4243


 56.2782, 0.3013,
0.5401


 127.4608, 0.3097,
0.4846

 40.4260, 0.2956,
0.5676


 160.3451, 0.3111,
0.4719

 27.8709, 0.2869,
0.6024


 198.4483, 0.3121,
0.4610

 18.2283, 0.2730,
0.6468

 242.1549, 0.3128,
0.4516

 11.1140, 0.2505,
0.7046

291.8493, 0.3134,
0.4435

 6.1436, 0.2142,
0.7858


347.9159, 0.3138,

 2.9326, 0.1305,


0.4363


0.8695


410.7391, 0.3142,
0.4300


 1.0966, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.8118, 0.3051,
0.5179


 75.8118, 0.3051,
0.5179


 73.9885, 0.3035,
0.5494


 78.2346, 0.3067,
0.4827


 72.7238, 0.3021,
0.5744


 81.3172, 0.3083,
0.4466


 71.9504, 0.3010,
0.5910

 85.0981, 0.3097,
0.4118

 71.5865, 0.3003,
0.5989

 89.6165, 0.3109,
0.3795

 71.5526, 0.3003,
0.5998

 94.9084, 0.3120,
0.3506

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.



75.8118, 0.4002, 0.5127



75.8118, 0.3051, 0.5179



75.8118, 0.2169, 0.4322

Triad

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



75.8118, 0.3051, 0.5179



75.8118, 0.1578, 0.1861



75.8118, 0.4895, 0.3098

Complementary

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



75.8118, 0.3051, 0.5179



38.2299, 0.3164, 0.1909

Split Complementary

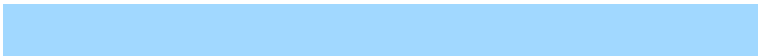
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8118, 0.3990, 0.2481



75.8118, 0.3051, 0.5179



75.8118, 0.2063, 0.1804

Square

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



75.8118, 0.3051, 0.5179



75.8118, 0.1425, 0.2262



75.8118, 0.2905, 0.2023



75.8118, 0.5171, 0.3789

Rectangle

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



75.8118, 0.3051, 0.5179



75.8118, 0.1749, 0.3500



75.8118, 0.2905, 0.2023



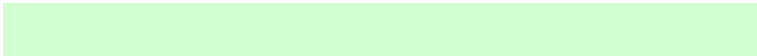
75.8118, 0.4648, 0.2881

Sweetspot

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



75.8074, 0.3051, 0.5179



89.8313, 0.3110, 0.3782



90.6919, 0.3986, 0.4633



18.9273, 0.3106, 0.3872



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.



75.8074, 0.3051, 0.5179



73.7557, 0.3033, 0.5538



77.6991, 0.2743, 0.4307



20.1853, 0.3119, 0.3536



37.3952, 0.3004, 0.5997



3.6468, 0.3014, 0.5989

Inverse Universe

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



38.2299, 0.3164, 0.1909



33.0540, 0.3166, 0.1726



35.0873, 0.3934, 0.2501



18.2810, 0.3135, 0.3056



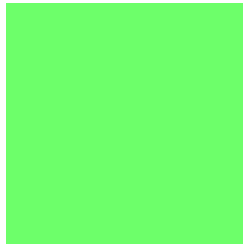
14.3960, 0.3160, 0.1514



1.4073, 0.3166, 0.1518

Previews

White Background



This preview shows how the Yxy color 75.8118, 0.3051, 0.5179 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 75.8118, 0.3051, 0.5179 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

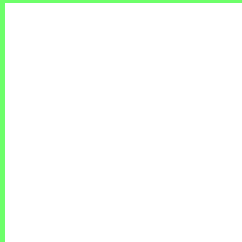
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8118, 0.3051, 0.5179

Background



This preview shows how black text looks on a background with the Yxy color 75.8118, 0.3051, 0.5179.

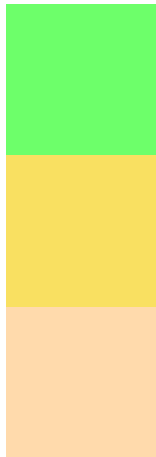


This preview shows how white text looks on a background with the Yxy color 75.8118, 0.3051, 0.5179.

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

75.8118, 0.3051, 0.5179

Protanopia

74.3141, 0.4132, 0.4524

Deuteranopia

74.3814, 0.3732, 0.3764



Tritanopia

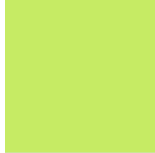
75.3376, 0.2554, 0.3096

Trichromacy



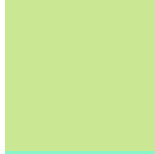
Original Color

75.8118, 0.3051, 0.5179



Protanomaly

72.3425, 0.3668, 0.4799



Deuteranomaly

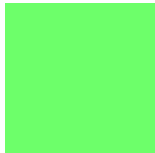
71.8465, 0.3450, 0.4253



Tritanomaly

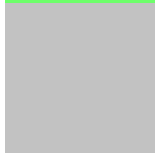
74.3217, 0.2744, 0.3821

Monochromacy



Original Color

75.8118, 0.3051, 0.5179



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5069, 0.3101, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8118, 0.3051, 0.5179 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 106) }
```

Border

The CSS property to change the border of an element to Yxy 75.8118, 0.3051, 0.5179 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, 106) }
```

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

```
.border{ border-color:rgb(109, 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(109, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8118, 0.3051, 0.5179 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, 106) }
```

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

```
.background{ background-color: rgb(109,  
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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