

Converting Colors

$Y_{xy}(74.3154, 0.2971, 0.5222)$

Have a look what the booklet for
Yxy(74.3154, 0.2971, 0.5222)
contains.

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Color

Yxy(74.0481, 0.2971, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	59FE6A
RGB	89, 254, 106
RGB Percent	35%, 100%, 42%
CMY	0.6510, 0.0039, 0.5844
CMYK	0.65, 0.00, 0.58, 0.00
HSL	126°, 99%, 67%
HSV	126°, 65%, 100%
XYZ	42.1612, 74.0481, 25.6997
YIQ	187.7930, -50.8320, -81.0080

Conversions

Conversions Part 2

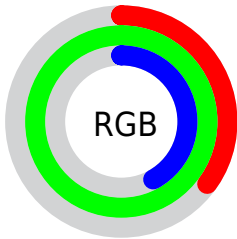
Format	Color
R _Y B	89, 239, 254
Decimal	5897834
CIE Lab	88.95, -71.03, 57.34
CIE LCh	89, 91.282, 141.086
Yxy	74.0481, 0.2971, 0.5218
Android (android.graphics.Color)	4284087914 (0xFF59FE6A)
YUV	187.7930, -40.3239, -86.6415
Hunter-Lab	86.0512, -63.1328, 42.5285

Details

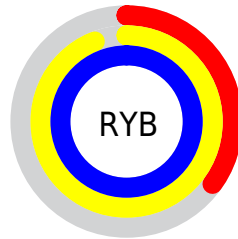
The Yxy color **74.0481, 0.2971, 0.5218** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **34.3298, 0.3362, 0.1932**, and the grayscale version is **50.4188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0618, 0.3041, 0.4425**, and **39.7189, 0.2914, 0.5692** is the 20% darker color. If you saturate the color by 10%, you get **72.5915, 0.2965, 0.5505**, and if you desaturate by 10%, it is **76.0700, 0.2985, 0.4896**.

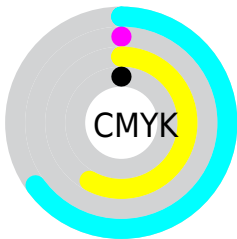
Distribution



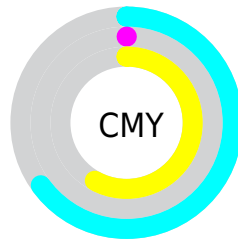
- Red (35%)
- Green (100%)
- Blue (42%)



- Red (35%)
- Yellow (94%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0481, 0.2971, 0.5218 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 74.0481, 0.2971, 0.5218 by changing the saturation by 10% instead.


 74.0481, 0.2971,
0.5218

 74.0481, 0.2971,
0.5218


474.6394, 0.3103,
0.4254

 54.8334, 0.2924,
0.5449


 124.9640, 0.3030,
0.4873


 39.2684, 0.2855,
0.5737


 157.4340, 0.3049,
0.4742

 26.9686, 0.2754,
0.6102


 195.0912, 0.3064,
0.4630

 17.5496, 0.2596,
0.6572

 238.3200, 0.3075,
0.4534

 10.6271, 0.2345,
0.7191

287.5048, 0.3084,
0.4450

 5.8167, 0.1945,
0.8055


343.0301, 0.3092,

 2.7339, 0.0867,


0.4377


0.9133


405.2801, 0.3098,
0.4312


 0.9945, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.0481, 0.2971,
0.5218


 74.0481, 0.2971,
0.5218


 72.5915, 0.2965,
0.5505


 76.0700, 0.2985,
0.4896

 71.6340, 0.2968,
0.5735

 78.6971, 0.3006,
0.4562

 71.1093, 0.2979,
0.5892

 81.9765, 0.3031,
0.4234

 70.9631, 0.2984,
0.5943

 85.9477, 0.3058,
0.3928

 90.6475, 0.3086,
0.3649

 96.1098, 0.3114,
0.3401

99.3678, 0.3128,
0.3281

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0481, 0.3949, 0.5209



74.0481, 0.2971, 0.5218



74.0481, 0.2084, 0.4272

Triad

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



74.0481, 0.2971, 0.5218



74.0481, 0.1563, 0.1809



74.0481, 0.4996, 0.3133

Complementary

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



74.0481, 0.2971, 0.5218



34.3298, 0.3362, 0.1932

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.



74.0481, 0.4095, 0.2497



74.0481, 0.2971, 0.5218



74.0481, 0.2081, 0.1774

Square

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



74.0481, 0.2971, 0.5218



74.0481, 0.1384, 0.2187



74.0481, 0.2969, 0.2017



74.0481, 0.5222, 0.3841

Rectangle

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



74.0481, 0.2971, 0.5218



74.0481, 0.1675, 0.3416



74.0481, 0.2969, 0.2017



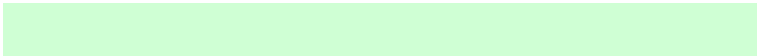
74.0481, 0.4756, 0.2910

Sweetspot

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



74.0512, 0.2971, 0.5218



89.4509, 0.3075, 0.3758



89.7003, 0.3910, 0.4849



18.8580, 0.3067, 0.3838



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.



74.0512, 0.2971, 0.5218



72.8936, 0.2965, 0.5582



76.6418, 0.2628, 0.4141



20.1986, 0.3101, 0.3510



37.4202, 0.2980, 0.5930



3.6530, 0.2943, 0.5795

Inverse Universe

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



34.3298, 0.3362, 0.1932



30.0684, 0.3414, 0.1783



30.5810, 0.4372, 0.2655



18.2662, 0.3154, 0.3080



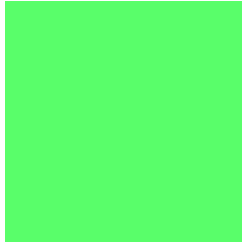
14.0703, 0.3487, 0.1695



1.3789, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 74.0481, 0.2971, 0.5218 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 74.0481, 0.2971, 0.5218 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 74.0481, 0.2971, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 74.0481, 0.2971, 0.5218.

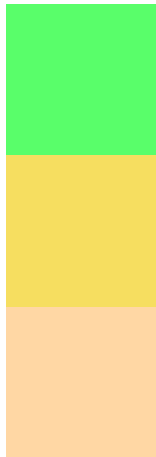


This preview shows how white text looks on a background with the Yxy color 74.0481, 0.2971, 0.5218.

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

74.0481, 0.2971, 0.5218

Protanopia

72.6799, 0.4126, 0.4528

Deuteranopia

72.5412, 0.3800, 0.3816



Tritanopia

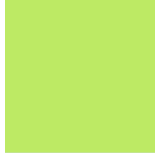
73.3638, 0.2484, 0.3080

Trichromacy



Original Color

74.0481, 0.2971, 0.5218



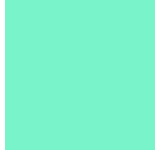
Protanomaly

70.5846, 0.3605, 0.4828



Deuteranomaly

69.6239, 0.3433, 0.4308



Tritanomaly

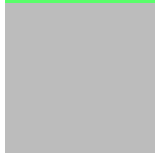
72.3832, 0.2665, 0.3821

Monochromacy



Original Color

74.0481, 0.2971, 0.5218



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.2310, 0.3051, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0481, 0.2971, 0.5218 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(89, 254, 106)` looks like.

```
.text, #text, p{  
    color:rgb(89, 254, 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(89, 254, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 254, 106) }
```

Border

The CSS property to change the border of an element to Yxy 74.0481, 0.2971, 0.5218 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(89, 254, 106) }
```

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

```
.border{ border-color:rgb(89, 254, 106) }
```

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

Here you see how a box with a 4 pixel rgb(89, 254, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 254, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 254, 106);  
box-shadow:4px 4px 4px 4px rgb(89, 254,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0481, 0.2971, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 254, 106) }
```

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

```
.background{ background-color: rgb(89, 254,  
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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