

# Converting Colors

$Y_{xy}(74.8651, 0.2973, 0.5192)$

Have a look what the booklet for  
Yxy(74.8651, 0.2973, 0.5192)  
contains.

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# Color

**Yxy(74.8780, 0.2975, 0.5195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CFF6C
RGB	92, 255, 108
RGB Percent	36%, 100%, 42%
CMY	0.6392, 0.0000, 0.5765
CMYK	0.64, 0.00, 0.58, 0.00
HSL	126°, 100%, 68%
HSV	126°, 64%, 100%
XYZ	42.8801, 74.8780, 26.3767
YIQ	189.5050, -49.9610, -80.2730

# Conversions

## Conversions Part 2

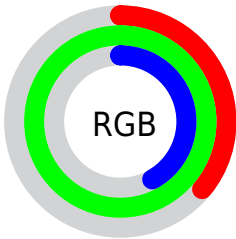
Format	Color
<b>RYB</b>	92, 240, 255
Decimal	6094700
CIELab	89.34, -70.55, 56.94
CIELCh	89, 90.663, 141.096
Yxy	74.8780, 0.2975, 0.5195
Android (android.graphics.Color)	4284284780 (0xFF5CFF6C)
YUV	189.5050, -40.1820, -85.5119
Hunter-Lab	86.5321, -62.9773, 42.4997

# Details

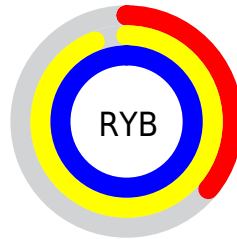
The Yxy color **74.8780, 0.2975, 0.5195** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **35.1478, 0.3350, 0.1941**, and the grayscale version is **51.4496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4334, 0.3048, 0.4395**, and **40.1895, 0.2909, 0.5673** is the 20% darker color. If you saturate the color by 10%, you get **73.3516, 0.2968, 0.5487**, and if you desaturate by 10%, it is **76.9754, 0.2990, 0.4870**.

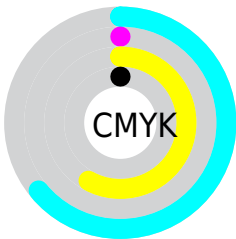
# Distribution



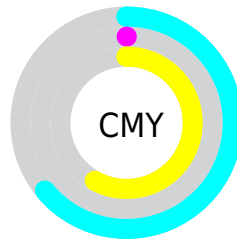
- Red (36%)
- Green (100%)
- Blue (42%)



- Red (36%)
- Yellow (94%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8780, 0.2975, 0.5195 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 74.8780, 0.2975, 0.5195 by changing the saturation by 10% instead.




 74.8780, 0.2975,  
0.5195


 74.8780, 0.2975,  
0.5195


477.4981, 0.3103,  
0.4245

 55.5130, 0.2929,  
0.5422


 126.1396, 0.3033,  
0.4855


 39.8126, 0.2863,  
0.5706

 158.8050, 0.3051,  
0.4726

 27.3924, 0.2765,  
0.6065


 196.6727, 0.3065,  
0.4615

 17.8682, 0.2612,  
0.6528

 240.1269, 0.3076,  
0.4521

 10.8554, 0.2367,  
0.7133

289.5522, 0.3085,  
0.4438

 5.9697, 0.1987,  
0.8013


345.3329, 0.3092,


 2.8266, 0.0995,


0.4366


0.9005


407.8534, 0.3098,  
0.4302

 1.0419, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.8780, 0.2975,  
0.5195


 74.8780, 0.2975,  
0.5195


 73.3516, 0.2968,  
0.5487


 76.9754, 0.2990,  
0.4870


 72.3392, 0.2970,  
0.5722

 79.6928, 0.3011,  
0.4534

 71.7723, 0.2979,  
0.5885

 83.0741, 0.3036,  
0.4207

 71.5902, 0.2985,  
0.5947

 87.1594, 0.3063,  
0.3901

 91.9854, 0.3090,  
0.3624

 97.5861, 0.3117,  
0.3378

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.



74.8780, 0.3946, 0.5192



74.8780, 0.2975, 0.5195



74.8780, 0.2095, 0.4261

# Triad

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



74.8780, 0.2975, 0.5195



74.8780, 0.1576, 0.1821



74.8780, 0.4978, 0.3137

# Complementary

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



74.8780, 0.2975, 0.5195



35.1478, 0.3350, 0.1941

# Split Complementary

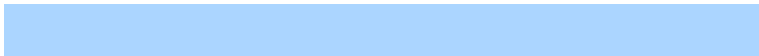
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8780, 0.4086, 0.2505



74.8780, 0.2975, 0.5195



74.8780, 0.2090, 0.1786

# Square

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



74.8780, 0.2975, 0.5195



74.8780, 0.1397, 0.2198



74.8780, 0.2971, 0.2027



74.8780, 0.5203, 0.3841



# Rectangle

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



74.8780, 0.2975, 0.5195



74.8780, 0.1687, 0.3415



74.8780, 0.2971, 0.2027



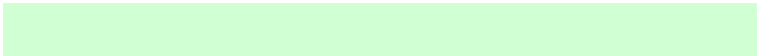
74.8780, 0.4740, 0.2915

# Sweetspot

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



74.8781, 0.2975, 0.5195



89.4390, 0.3076, 0.3761



91.0670, 0.3922, 0.4819



18.8552, 0.3068, 0.3841



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.



74.8781, 0.2975, 0.5195



72.9879, 0.2968, 0.5566



77.3870, 0.2643, 0.4162



20.1971, 0.3102, 0.3511



37.4169, 0.2982, 0.5934



3.6524, 0.2946, 0.5804



# Inverse Universe

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



35.1478, 0.3350, 0.1941



30.3932, 0.3400, 0.1785



31.4503, 0.4304, 0.2633



18.2678, 0.3153, 0.3078



14.1063, 0.3473, 0.1687

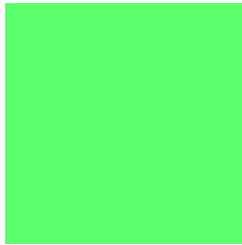


1.3820, 0.3439, 0.1668



# Previews

## White Background



This preview shows how the Yxy color 74.8780, 0.2975, 0.5195 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 74.8780, 0.2975, 0.5195 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 74.8780, 0.2975, 0.5195**

## Background



This preview shows how black text looks on a background with the Yxy color 74.8780, 0.2975, 0.5195.

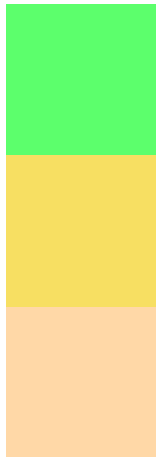


This preview shows how white text looks on a background with the Yxy color 74.8780, 0.2975, 0.5195.

# 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

74.8780, 0.2975, 0.5195

### Protanopia

73.4314, 0.4118, 0.4517

### Deuteranopia

73.1618, 0.3775, 0.3795



## Tritanopia

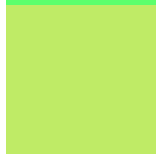
74.4801, 0.2512, 0.3094

# Trichromacy



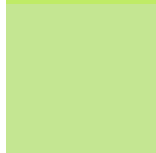
## Original Color

74.8780, 0.2975, 0.5195



## Protanomaly

71.4523, 0.3607, 0.4809



## Deuteranomaly

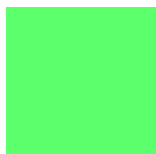
70.4047, 0.3420, 0.4281



## Tritanomaly

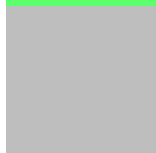
73.4013, 0.2684, 0.3816

# Monochromacy



## Original Color

74.8780, 0.2975, 0.5195



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

57.5012, 0.3051, 0.4013

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8780, 0.2975, 0.5195 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(92, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(92, 255, 108)  
}
```

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(92, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 255, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8780, 0.2975, 0.5195 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(92, 255, 108) }
```

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

```
.border{ border-color:rgb(92, 255, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 255, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(92, 255,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8780, 0.2975, 0.5195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 255, 108) }
```

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

```
.background{ background-color: rgb(92, 255,  
108) }
```

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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