

# Converting Colors

Yxy(74.3141, 0.3028, 0.5412)

Have a look what the booklet for  
Yxy(74.3141, 0.3028, 0.5412)  
contains.

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# Color

**Yxy(74.2993, 0.3027, 0.5414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58FF58
RGB	88, 255, 88
RGB Percent	35%, 100%, 35%
CMY	0.6553, 0.0000, 0.6547
CMYK	0.66, 0.00, 0.65, 0.00
HSL	120°, 100%, 67%
HSV	120°, 66%, 100%
XYZ	41.5412, 74.2993, 21.3950
YIQ	186.0290, -45.9250, -87.3410

# Conversions

## Conversions Part 2

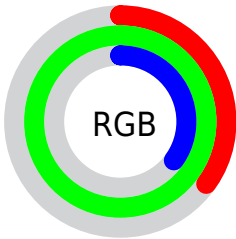
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 255, 255
Decimal	5832536
CIELab	89.06, -73.41, 64.87
CIELCh	89, 97.969, 138.536
Yxy	74.2993, 0.3027, 0.5414
Android (android.graphics.Color)	4284022616 (0xFF58FF58)
YUV	186.0290, -48.3283, -85.9714
Hunter-Lab	86.1970, -64.8198, 45.6215

# Details

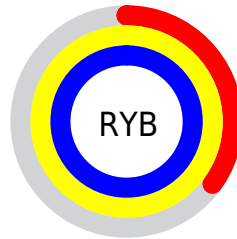
The Yxy color **74.2993, 0.3027, 0.5414** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **35.4352, 0.3198, 0.1806**, and the grayscale version is **49.4024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5022, 0.3124, 0.4630**, and **39.9985, 0.2976, 0.5912** is the 20% darker color. If you saturate the color by 10%, you get **72.9116, 0.3014, 0.5685**, and if you desaturate by 10%, it is **76.2622, 0.3042, 0.5084**.

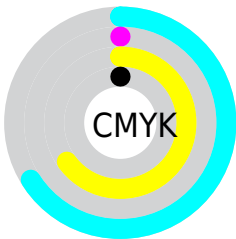
# Distribution



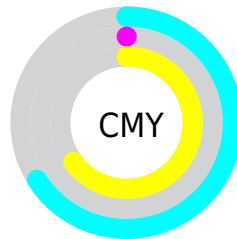
- Red (35%)
- Green (100%)
- Blue (35%)



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



- Cyan (66%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2993, 0.3027, 0.5414 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 74.2993, 0.3027, 0.5414 by changing the saturation by 10% instead.





 74.2993, 0.3027,  
0.5414


 74.2993, 0.3027,  
0.5414

475.5057, 0.3148,  
0.4357

 55.0390, 0.2977,  
0.5663


 125.3200, 0.3087,  
0.5038

 39.4330, 0.2903,  
0.5970


 157.8492, 0.3105,  
0.4894

 27.0967, 0.2790,  
0.6352


 195.5702, 0.3118,  
0.4771

 17.6459, 0.2612,  
0.6830

 238.8674, 0.3128,  
0.4665

 10.6960, 0.2356,  
0.7522

288.1251, 0.3135,  
0.4573

 5.8628, 0.1862,  
0.8138


343.7278, 0.3141,

 2.7619, 0.0718,


0.4492

0.9282


406.0599, 0.3145,  
0.4421


 1.0087, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.2993, 0.3027,  
0.5414


 74.2993, 0.3027,  
0.5414


 72.9116, 0.3014,  
0.5685


 76.2622, 0.3042,  
0.5084


 72.0458, 0.3006,  
0.5875


 78.8655, 0.3059,  
0.4726


 71.6196, 0.3001,  
0.5976

 82.1541, 0.3076,  
0.4365

 71.5205, 0.3000,  
0.6000

 86.1717, 0.3092,  
0.4022

 90.9583, 0.3107,  
0.3708

 96.5510, 0.3121,  
0.3429

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.



74.2993, 0.4054, 0.5281



74.2993, 0.3027, 0.5414



74.2993, 0.2077, 0.4466

# Triad

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



74.2993, 0.3027, 0.5414



74.2993, 0.1453, 0.1744



74.2993, 0.5069, 0.3047

# Complementary

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



74.2993, 0.3027, 0.5414



35.4352, 0.3198, 0.1806

# 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.



74.2993, 0.4057, 0.2397



74.2993, 0.3027, 0.5414



74.2993, 0.1957, 0.1686

# Square

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



74.2993, 0.3027, 0.5414



74.2993, 0.1294, 0.2165



74.2993, 0.2858, 0.1916



74.2993, 0.5361, 0.3775



# Rectangle

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



74.2993, 0.3027, 0.5414



74.2993, 0.1629, 0.3528



74.2993, 0.2858, 0.1916



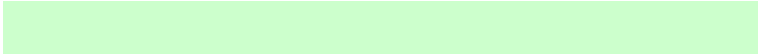
74.2993, 0.4793, 0.2819

# Sweetspot

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



74.2958, 0.3027, 0.5414



88.7191, 0.3101, 0.3844



93.4831, 0.4032, 0.4785



18.7058, 0.3097, 0.3933



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.



74.2958, 0.3027, 0.5414



72.5556, 0.3011, 0.5761



76.5479, 0.2699, 0.4380



20.1684, 0.3116, 0.3536



37.3711, 0.3000, 0.5999



3.6388, 0.2999, 0.5998



# Inverse Universe

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



35.4352, 0.3198, 0.1806



31.0653, 0.3206, 0.1645



31.1822, 0.4158, 0.2488



18.3001, 0.3138, 0.3056



14.8741, 0.3211, 0.1543

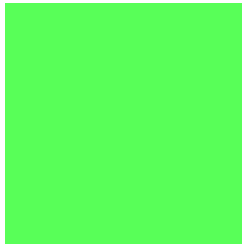


1.4483, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 74.2993, 0.3027, 0.5414 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 74.2993, 0.3027, 0.5414 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 74.2993, 0.3027, 0.5414**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2993, 0.3027, 0.5414.

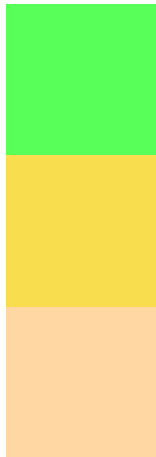


This preview shows how white text looks on a background with the Yxy color 74.2993, 0.3027, 0.5414.

# 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

74.2993, 0.3027, 0.5414

### Protanopia

72.7635, 0.4220, 0.4636

### Deuteranopia

72.4695, 0.3815, 0.3836



## Tritanopia

73.5392, 0.2492, 0.3081

# Trichromacy



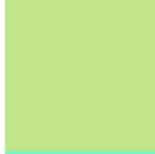
## Original Color

74.2993, 0.3027, 0.5414



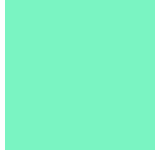
## Protanomaly

70.4020, 0.3690, 0.4979



## Deuteranomaly

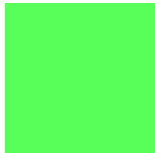
69.8122, 0.3471, 0.4412



## Tritanomaly

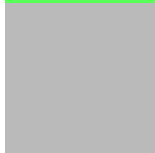
72.7340, 0.2705, 0.3926

# Monochromacy



## Original Color

74.2993, 0.3027, 0.5414



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

55.2746, 0.3088, 0.4125

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2993, 0.3027, 0.5414 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(88, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 88)  
}
```

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(88, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2993, 0.3027, 0.5414 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(88, 255, 88) }
```

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

```
.border{ border-color:rgb(88, 255, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 255, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2993, 0.3027, 0.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 88) }
```

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

```
.background{ background-color: rgb(88, 255,  
88) }
```

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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