

# Converting Colors

Yxy(74.2354, 0.3210, 0.5278)

Have a look what the booklet for  
Yxy(74.2354, 0.3210, 0.5278)  
contains.

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# Color

**Yxy(74.2881, 0.3211, 0.5282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80FB58
RGB	128, 251, 88
RGB Percent	50%, 98%, 35%
CMY	0.4981, 0.0157, 0.6548
CMYK	0.49, 0.00, 0.65, 0.02
HSL	105°, 95%, 66%
HSV	105°, 65%, 98%
XYZ	45.1608, 74.2881, 21.1950
YIQ	195.6410, -20.9850, -76.7690

# Conversions

## Conversions Part 2

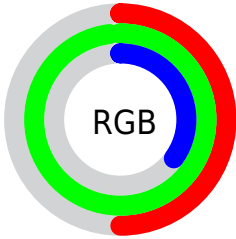
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 251, 211
Decimal	8452952
CIELab	89.06, -62.68, 65.23
CIElCh	89, 90.458, 133.859
Yxy	74.2881, 0.3211, 0.5282
Android (android.graphics.Color)	4286643032 (0xFF80FB58)
YUV	195.6410, -53.0670, -59.3212
Hunter-Lab	86.1905, -57.3059, 45.7534

# Details

The Yxy color **74.2881, 0.3211, 0.5282** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.8020, 0.2815, 0.1638**, and the grayscale version is **55.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3524, 0.3330, 0.4546**, and **39.2626, 0.3136, 0.5785** is the 20% darker color. If you saturate the color by 10%, you get **72.6099, 0.3188, 0.5550**, and if you desaturate by 10%, it is **76.3900, 0.3221, 0.4970**.

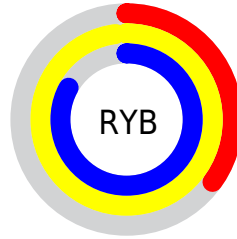
# Distribution



Red (50%)

Green (98%)

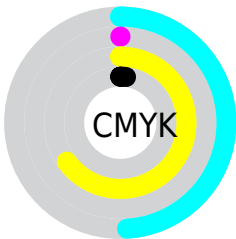
Blue (35%)



Red (35%)

Yellow (98%)

Blue (83%)

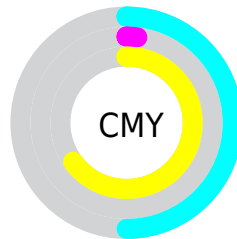


Cyan (49%)

Magenta (0%)

Yellow (65%)

Black (2%)



Cyan (50%)

Magenta (2%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2881, 0.3211, 0.5282 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 74.2881, 0.3211, 0.5282 by changing the saturation by 10% instead.




 74.2881, 0.3211,  
0.5282

 74.2881, 0.3211,  
0.5282


475.4671, 0.3242,  
0.4304


 55.0299, 0.3182,  
0.5509


 125.3041, 0.3239,  
0.4937

 39.4256, 0.3134,  
0.5787


 157.8307, 0.3244,  
0.4804

 27.0910, 0.3054,  
0.6131


 195.5489, 0.3247,  
0.4690

 17.6416, 0.2918,  
0.6558

 238.8430, 0.3248,  
0.4592

 10.6930, 0.2720,  
0.7181

288.0975, 0.3248,  
0.4506

 5.8608, 0.2280,  
0.7720


343.6967, 0.3246,


 2.7606, 0.1469,


0.4430


0.8531


406.0252, 0.3244,  
0.4363


 1.0081, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.2881, 0.3211,  
0.5282


 74.2881, 0.3211,  
0.5282


 72.6099, 0.3188,  
0.5550


 76.3900, 0.3221,  
0.4970


 71.3153, 0.3153,  
0.5755

 78.9334, 0.3220,  
0.4637

 70.3716, 0.3110,  
0.5887


 81.9464, 0.3208,  
0.4303

 70.0075, 0.3088,  
0.5930

 85.4519, 0.3190,  
0.3982

 89.4713, 0.3167,  
0.3683

 94.0247, 0.3141,  
0.3413

 97.4775, 0.3129,  
0.3252

# Harmonies

## Analogous

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



74.2881, 0.4166, 0.5078



74.2881, 0.3211, 0.5282



74.2881, 0.2283, 0.4552

# Triad

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



74.2881, 0.3211, 0.5282



74.2881, 0.1503, 0.1877



74.2881, 0.4814, 0.2976

# Complementary

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



74.2881, 0.3211, 0.5282



27.8020, 0.2815, 0.1638

# 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.



74.2881, 0.3816, 0.2371



74.2881, 0.3211, 0.5282



74.2881, 0.1933, 0.1767

# Square

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



74.2881, 0.3211, 0.5282



74.2881, 0.1402, 0.2352



74.2881, 0.2727, 0.1945



74.2881, 0.5217, 0.3666



# Rectangle

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



74.2881, 0.3211, 0.5282



74.2881, 0.1814, 0.3717



74.2881, 0.2727, 0.1945



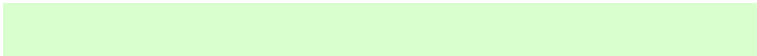
74.2881, 0.4526, 0.2761

# Sweetspot

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



74.2913, 0.3211, 0.5282



90.9753, 0.3177, 0.3802



67.4364, 0.4284, 0.4468



19.2189, 0.3183, 0.3888



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.



74.2913, 0.3211, 0.5282



74.8026, 0.3178, 0.5622



72.6521, 0.2878, 0.4922



19.5147, 0.3153, 0.3533



36.8536, 0.3097, 0.5923



3.4605, 0.3177, 0.5859



# Inverse Universe

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



27.8020, 0.2815, 0.1638



23.2110, 0.2728, 0.1407



32.1593, 0.3625, 0.2122



17.2976, 0.3099, 0.3053



9.4490, 0.2594, 0.1203

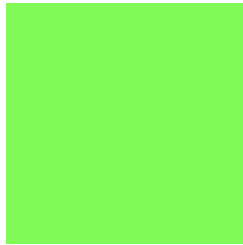


0.9243, 0.2671, 0.1245



# Previews

## White Background



This preview shows how the Yxy color 74.2881, 0.3211, 0.5282 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

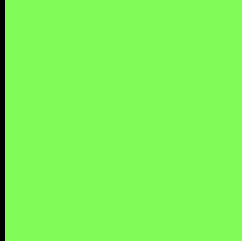
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2881, 0.3211, 0.5282 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

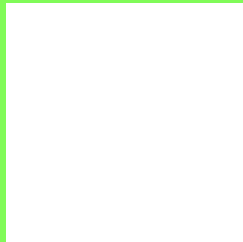
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.2881, 0.3211, 0.5282**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2881, 0.3211, 0.5282.

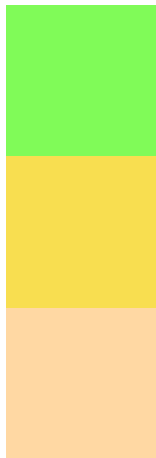


This preview shows how white text looks on a background with the Yxy color 74.2881, 0.3211, 0.5282.

# 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

74.2881, 0.3211, 0.5282

### Protanopia

72.7782, 0.4216, 0.4630

### Deuteranopia

73.0161, 0.3804, 0.3836



## Tritanopia

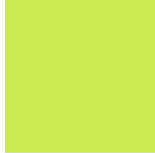
73.8415, 0.2567, 0.3073

# Trichromacy



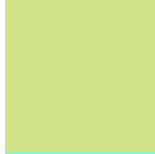
## Original Color

74.2881, 0.3211, 0.5282



## Protanomaly

71.7397, 0.3797, 0.4899



## Deuteranomaly

71.3715, 0.3581, 0.4349



## Tritanomaly

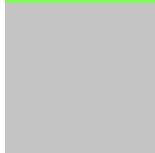
73.0087, 0.2823, 0.3872

# Monochromacy



## Original Color

74.2881, 0.3211, 0.5282



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.2040, 0.3191, 0.4050

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2881, 0.3211, 0.5282 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(128, 251, 88)` looks like.

```
.text, #text, p{  
    color:rgb(128, 251, 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(128, 251, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 251, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2881, 0.3211, 0.5282 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(128, 251, 88) }
```

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

```
.border{ border-color:rgb(128, 251, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 251, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 251, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 251, 88);  
box-shadow:4px 4px 4px 4px rgb(128, 251,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2881, 0.3211, 0.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 251, 88) }
```

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

```
.background{ background-color: rgb(128,  
251, 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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