

# Converting Colors

Yxy(72.8193, 0.2991, 0.4990)

Have a look what the booklet for  
Yxy(72.8193, 0.2991, 0.4990)  
contains.

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# Color

**Yxy(72.8531, 0.2989, 0.4989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BFA78
RGB	107, 250, 120
RGB Percent	42%, 98%, 47%
CMY	0.5800, 0.0196, 0.5294
CMYK	0.57, 0.00, 0.52, 0.02
HSL	125°, 93%, 70%
HSV	125°, 57%, 98%
XYZ	43.6476, 72.8531, 29.5268
YIQ	192.4230, -43.4980, -70.7460

# Conversions

## Conversions Part 2

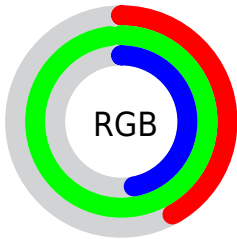
Format	Color
<a href="#">RYB</a>	<a href="#">107, 238, 250</a>
Decimal	<a href="#">7076472</a>
CIELab	<a href="#">88.38, -64.15, 50.51</a>
CIELCh	<a href="#">88, 81.646, 141.785</a>
Yxy	<a href="#">72.8531, 0.2989, 0.4989</a>
Android (android.graphics.Color)	<a href="#">4285266552 (0xFF6BFA78)</a>
YUV	<a href="#">192.4230, -35.7045, -74.9160</a>
Hunter-Lab	<a href="#">85.3540, -58.0898, 39.2375</a>

# Details

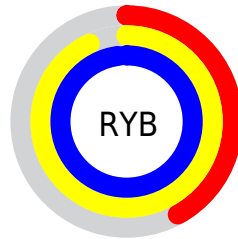
The Yxy color **72.8531, 0.2989, 0.4989** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.9805, 0.3312, 0.2041**, and the grayscale version is **53.2206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0502, 0.3049, 0.4230**, and **38.3657, 0.2894, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **71.0343, 0.2976, 0.5307**, and if you desaturate by 10%, it is **75.2571, 0.3008, 0.4653**.

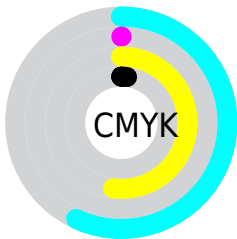
# Distribution



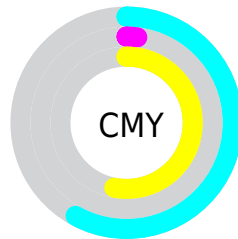
- Red (42%)
- Green (98%)
- Blue (47%)



- Red (42%)
- Yellow (93%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (52%)
- Black (2%)




- Cyan (58%)
- Magenta (2%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8531, 0.2989, 0.4989 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 72.8531, 0.2989, 0.4989 by changing the saturation by 10% instead.





 72.8531, 0.2989,  
0.4989

 72.8531, 0.2989,  
0.4989

470.5055, 0.3099,  
0.4140


 53.8559, 0.2951,  
0.5195


 123.2686, 0.3037,  
0.4684

 38.4864, 0.2896,  
0.5453


 155.4557, 0.3053,  
0.4568

 26.3604, 0.2814,  
0.5784


 192.8082, 0.3065,  
0.4470

 17.0935, 0.2686,  
0.6218

235.7105, 0.3075,  
0.4385

 10.3012, 0.2476,  
0.6798

284.5470, 0.3083,  
0.4312

 5.5991, 0.2182,  
0.7818

339.7021, 0.3089,

 2.6029, 0.1238,

0.4247

0.8762

401.5601, 0.3094,  
0.4191

■ 0.9281, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.8531, 0.2989,  
0.4989

■ 72.8531, 0.2989,  
0.4989

■ 71.0343, 0.2976,  
0.5307

■ 75.2571, 0.3008,  
0.4653

■ 69.7422, 0.2972,  
0.5582

■ 78.2806, 0.3031,  
0.4319


■ 68.9226, 0.2975,  
0.5793

■ 81.9661, 0.3057,  
0.4002

■ 68.5028, 0.2985,  
0.5928

■ 86.3496, 0.3083,  
0.3713

 68.4282, 0.2987,  
0.5953

 91.4648, 0.3109,  
0.3455

 96.8481, 0.3129,  
0.3242

# Harmonies

## Analogous

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



72.8531, 0.3890, 0.5045



72.8531, 0.2989, 0.4989



72.8531, 0.2173, 0.4140

# Triad

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



72.8531, 0.2989, 0.4989



72.8531, 0.1692, 0.1926



72.8531, 0.4825, 0.3182

# Complementary

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



72.8531, 0.2989, 0.4989



36.9805, 0.3312, 0.2041

# 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.



72.8531, 0.4026, 0.2581



72.8531, 0.2989, 0.4989



72.8531, 0.2188, 0.1893

# Square

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



72.8531, 0.2989, 0.4989



72.8531, 0.1517, 0.2282



72.8531, 0.3013, 0.2126



72.8531, 0.5034, 0.3849



# Rectangle

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



72.8531, 0.2989, 0.4989



72.8531, 0.1792, 0.3391



72.8531, 0.3013, 0.2126



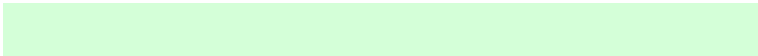
72.8531, 0.4612, 0.2971

# Sweetspot

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



72.8561, 0.2989, 0.4989



90.4002, 0.3084, 0.3709



87.6241, 0.3861, 0.4691



19.1386, 0.3078, 0.3765



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.



72.8561, 0.2989, 0.4989



74.0092, 0.2975, 0.5363



75.2380, 0.2671, 0.4051



19.3346, 0.3103, 0.3513



36.3068, 0.2983, 0.5940



3.3710, 0.2948, 0.5812



# Inverse Universe

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



36.9805, 0.3312, 0.2041



33.0989, 0.3355, 0.1862



33.6366, 0.4117, 0.2682



17.4960, 0.3152, 0.3077



13.7468, 0.3450, 0.1674

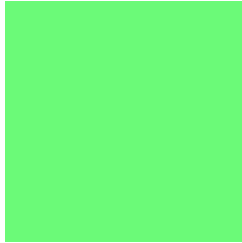


1.2809, 0.3418, 0.1657



# Previews

## White Background



This preview shows how the Yxy color 72.8531, 0.2989, 0.4989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

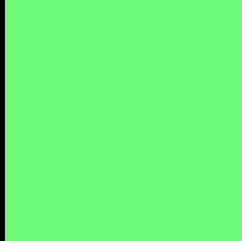
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8531, 0.2989, 0.4989 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 72.8531, 0.2989, 0.4989**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8531, 0.2989, 0.4989.

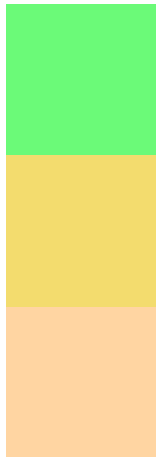


This preview shows how white text looks on a background with the Yxy color 72.8531, 0.2989, 0.4989.

# 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

72.8531, 0.2989, 0.4989

### Protanopia

71.3669, 0.4040, 0.4410

### Deuteranopia

71.4571, 0.3822, 0.3817



## Tritanopia

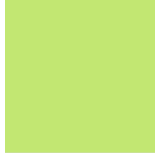
72.1479, 0.2484, 0.3068

# Trichromacy



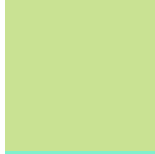
## Original Color

72.8531, 0.2989, 0.4989



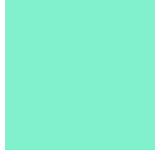
## Protanomaly

69.8361, 0.3585, 0.4648



## Deuteranomaly

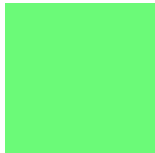
68.9168, 0.3461, 0.4218



## Tritanomaly

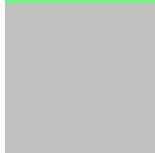
71.3171, 0.2671, 0.3729

# Monochromacy



## Original Color

72.8531, 0.2989, 0.4989



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

57.9187, 0.3063, 0.3909

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8531, 0.2989, 0.4989 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(107, 250, 120)` looks like.

```
.text, #text, p{  
    color:rgb(107, 250, 120)  
}
```

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(107, 250, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 250, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8531, 0.2989, 0.4989 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(107, 250, 120) }
```

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

```
.border{ border-color:rgb(107, 250, 120) }
```

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

Here you see how a box with a 4 pixel rgb(107, 250, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 250, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 250, 120);  
box-shadow:4px 4px 4px 4px rgb(107, 250,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8531, 0.2989, 0.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 250, 120) }
```

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

```
.background{ background-color: rgb(107,  
250, 120) }
```

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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