

# Converting Colors

$Yxy(72.6888, 0.2928, 0.4791)$

Have a look what the booklet for  
Yxy(72.6888, 0.2928, 0.4791)  
contains.

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# Color

**Yxy(72.6888, 0.2928, 0.4791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CF987
RGB	108, 249, 135
RGB Percent	42%, 98%, 53%
CMY	0.5769, 0.0235, 0.4706
CMYK	0.57, 0.00, 0.46, 0.02
HSL	132°, 92%, 70%
HSV	132°, 57%, 98%
XYZ	44.4235, 72.6888, 34.6072
YIQ	193.8450, -47.4420, -65.3460

# Conversions

## Conversions Part 2

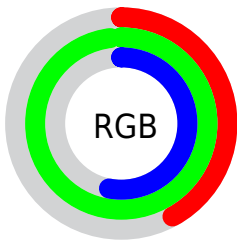
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">108, 226, 249</a>
Decimal	<a href="#">7141767</a>
CIELab	<a href="#">88.30, -61.54, 43.34</a>
CIELCh	<a href="#">88, 75.267, 144.846</a>
Yxy	<a href="#">72.6888, 0.2928, 0.4791</a>
Android (android.graphics.Color)	<a href="#">4285331847 (0xFF6CF987)</a>
YUV	<a href="#">193.8450, -29.0106, -75.2861</a>
Hunter-Lab	<a href="#">85.2577, -56.1938, 35.6138</a>

# Details

The Yxy color **72.6888, 0.2928, 0.4791** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.1161, 0.3455, 0.2167**, and the grayscale version is **54.0340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6727, 0.2971, 0.4048**, and **38.2262, 0.2835, 0.5198** is the 20% darker color. If you saturate the color by 10%, you get **70.8347, 0.2914, 0.5093**, and if you desaturate by 10%, it is **75.1016, 0.2952, 0.4484**.

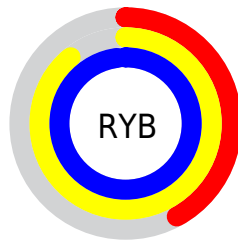
# Distribution



Red (42%)

Green (98%)

Blue (53%)



Red (42%)

Yellow (89%)

Blue (98%)

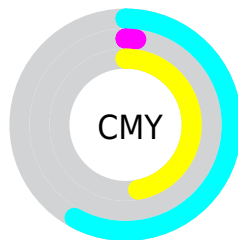


Cyan (57%)

Magenta (0%)

Yellow (46%)

Black (2%)



Cyan (58%)

Magenta (2%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6888, 0.2928, 0.4791 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 72.6888, 0.2928, 0.4791 by changing the saturation by 10% instead.




 72.6888, 0.2928,  
0.4791


 72.6888, 0.2928,  
0.4791


469.9355, 0.3055,  
0.4041

 53.7215, 0.2889,  
0.4974


 123.0353, 0.2980,  
0.4521

 38.3791, 0.2835,  
0.5205


 155.1834, 0.2998,  
0.4419

 26.2770, 0.2758,  
0.5505


 192.4938, 0.3012,  
0.4332

 17.0310, 0.2642,  
0.5905

235.3510, 0.3024,  
0.4257

 10.2566, 0.2457,  
0.6455

284.1394, 0.3034,  
0.4192

 5.5694, 0.2168,  
0.7330

339.2433, 0.3042,

 2.5851, 0.1407,

0.4136

0.8593

401.0473, 0.3049,  
0.4086

0.9192, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

72.6888, 0.2928,  
0.4791

72.6888, 0.2928,  
0.4791

70.8347, 0.2914,  
0.5093

75.1016, 0.2952,  
0.4484

69.4850, 0.2913,  
0.5371

78.1042, 0.2984,  
0.4185


68.5904, 0.2925,  
0.5608


81.7359, 0.3021,  
0.3907

68.0856, 0.2947,  
0.5789

86.0300, 0.3060,  
0.3653

 67.9727, 0.2955,  
0.5836

 91.0175, 0.3101,  
0.3426

 96.2409, 0.3130,  
0.3233

# Harmonies

## Analogous

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



72.6888, 0.3774, 0.4942



72.6888, 0.2928, 0.4791



72.6888, 0.2182, 0.3968

# Triad

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



72.6888, 0.2928, 0.4791



72.6888, 0.1815, 0.1998



72.6888, 0.4744, 0.3266

# Complementary

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



72.6888, 0.2928, 0.4791



36.1161, 0.3455, 0.2167

# 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.



72.6888, 0.4052, 0.2684



72.6888, 0.2928, 0.4791



72.6888, 0.2319, 0.1990

# Square

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



72.6888, 0.2928, 0.4791



72.6888, 0.1618, 0.2307



72.6888, 0.3119, 0.2233



72.6888, 0.4888, 0.3902



# Rectangle

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



72.6888, 0.2928, 0.4791



72.6888, 0.1842, 0.3292



72.6888, 0.3119, 0.2233



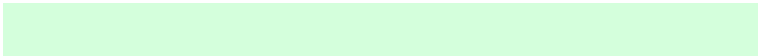
72.6888, 0.4565, 0.3062

# Sweetspot

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



72.6918, 0.2928, 0.4791



90.6310, 0.3059, 0.3661



84.5523, 0.3756, 0.4735



19.1924, 0.3051, 0.3710



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.



72.6918, 0.2928, 0.4791



74.5313, 0.2913, 0.5134



75.3181, 0.2608, 0.3853



19.3637, 0.3089, 0.3487



36.3950, 0.2949, 0.5815



3.3848, 0.2892, 0.5613



# Inverse Universe

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



36.1161, 0.3455, 0.2167



32.4927, 0.3541, 0.2006



33.1327, 0.4286, 0.2832



17.4641, 0.3167, 0.3100



13.0629, 0.3765, 0.1847

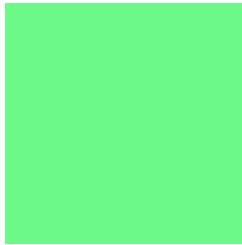


1.2240, 0.3686, 0.1804



# Previews

## White Background



This preview shows how the Yxy color 72.6888, 0.2928, 0.4791 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 72.6888, 0.2928, 0.4791 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 72.6888, 0.2928, 0.4791**

## Background



This preview shows how black text looks on a background with the Yxy color 72.6888, 0.2928, 0.4791.

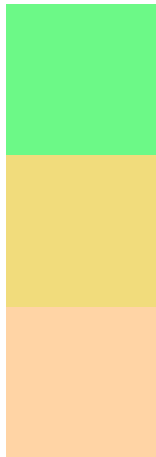


This preview shows how white text looks on a background with the Yxy color 72.6888, 0.2928, 0.4791.

# 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

72.6888, 0.2928, 0.4791

### Protanopia

71.3424, 0.3941, 0.4292

### Deuteranopia

71.0636, 0.3804, 0.3776



## Tritanopia

71.9757, 0.2475, 0.3067

# Trichromacy



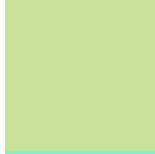
## Original Color

72.6888, 0.2928, 0.4791



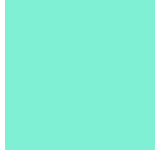
## Protanomaly

70.0478, 0.3501, 0.4502



## Deuteranomaly

68.7401, 0.3427, 0.4124



## Tritanomaly

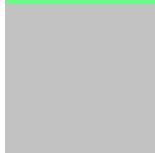
71.5354, 0.2637, 0.3651

# Monochromacy



## Original Color

72.6888, 0.2928, 0.4791



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

58.8968, 0.3031, 0.3824

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6888, 0.2928, 0.4791 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(108, 249, 135)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 135)  
}
```

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(108, 249, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6888, 0.2928, 0.4791 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(108, 249, 135) }
```

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

```
.border{ border-color:rgb(108, 249, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 249, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 249, 135);  
box-shadow:4px 4px 4px 4px rgb(108, 249,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6888, 0.2928, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 135) }
```

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

```
.background{ background-color: rgb(108,  
249, 135) }
```

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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