

# Converting Colors

$Yxy(73.4723, 0.2951, 0.4894)$

Have a look what the booklet for  
Yxy(73.4723, 0.2951, 0.4894)  
contains.

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# Color

**Yxy(73.6170, 0.2951, 0.4900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AFB80
RGB	106, 251, 128
RGB Percent	42%, 98%, 50%
CMY	0.5843, 0.0157, 0.4981
CMYK	0.58, 0.00, 0.49, 0.02
HSL	129°, 95%, 70%
HSV	129°, 58%, 98%
XYZ	44.3355, 73.6170, 32.2863
YIQ	193.6230, -46.9370, -68.9930

# Conversions

## Conversions Part 2

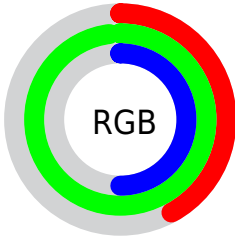
Format	Color
<a href="#">RYB</a>	<a href="#">106, 232, 251</a>
Decimal	<a href="#">7011200</a>
CIELab	<a href="#">88.74, -63.70, 47.22</a>
CIELCh	<a href="#">89, 79.294, 143.451</a>
Yxy	<a href="#">73.6170, 0.2951, 0.4900</a>
Android (android.graphics.Color)	<a href="#">4285201280</a> ( <a href="#">0xFF6AFB80</a> )
YUV	<a href="#">193.6230, -32.3521, -76.8454</a>
Hunter-Lab	<a href="#">85.8003, -57.9146, 37.7497</a>

# Details

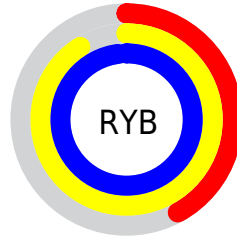
The Yxy color **73.6170, 0.2951, 0.4900** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.4759, 0.3403, 0.2101**, and the grayscale version is **53.9292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2637, 0.3002, 0.4134**, and **38.8809, 0.2858, 0.5345** is the 20% darker color. If you saturate the color by 10%, you get **71.7978, 0.2939, 0.5208**, and if you desaturate by 10%, it is **76.0099, 0.2972, 0.4580**.

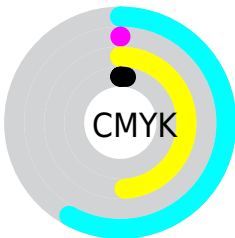
# Distribution



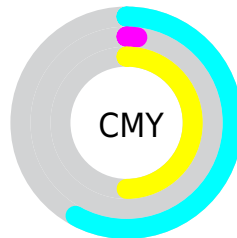
- Red (42%)
- Green (98%)
- Blue (50%)



- Red (42%)
- Yellow (91%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (49%)
- Black (2%)




- Cyan (58%)
- Magenta (2%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6170, 0.2951, 0.4900 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 73.6170, 0.2951, 0.4900 by changing the saturation by 10% instead.





 73.6170, 0.2951,  
0.4900


 73.6170, 0.2951,  
0.4900

473.1505, 0.3073,  
0.4097


 54.4806, 0.2912,  
0.5095

 124.3527, 0.3002,  
0.4611

 38.9860, 0.2857,  
0.5341

 156.7209, 0.3020,  
0.4502

 26.7489, 0.2776,  
0.5657


 194.2684, 0.3033,  
0.4408

 17.3847, 0.2654,  
0.6075

237.3797, 0.3044,  
0.4328

 10.5092, 0.2456,  
0.6642

286.4391, 0.3053,  
0.4259

 5.7378, 0.2173,  
0.7611


341.8312, 0.3061,


 2.6863, 0.1344,


0.4198


0.8656


403.9401, 0.3067,  
0.4144


 0.9703, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.6170, 0.2951,  
0.4900


 73.6170, 0.2951,  
0.4900

 71.7978, 0.2939,  
0.5208


 76.0099, 0.2972,  
0.4580


 70.4951, 0.2938,  
0.5483


 79.0096, 0.3000,  
0.4266


 69.6560, 0.2948,  
0.5707


 82.6577, 0.3032,  
0.3970

 69.2072, 0.2967,  
0.5866

 86.9893, 0.3066,  
0.3700

 69.1385, 0.2970,  
0.5892

 92.0369, 0.3101,  
0.3458

 97.4782, 0.3129,  
0.3252

# Harmonies

## Analogous

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



73.6170, 0.3830, 0.5008



73.6170, 0.2951, 0.4900



73.6170, 0.2167, 0.4052

# Triad

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



73.6170, 0.2951, 0.4900



73.6170, 0.1747, 0.1953



73.6170, 0.4800, 0.3226

# Complementary

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



73.6170, 0.2951, 0.4900



36.4759, 0.3403, 0.2101

# 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.



73.6170, 0.4052, 0.2631



73.6170, 0.2951, 0.4900



73.6170, 0.2252, 0.1934

# Square

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



73.6170, 0.2951, 0.4900



73.6170, 0.1559, 0.2284



73.6170, 0.3071, 0.2175



73.6170, 0.4972, 0.3882



# Rectangle

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



73.6170, 0.2951, 0.4900



73.6170, 0.1806, 0.3334



73.6170, 0.3071, 0.2175



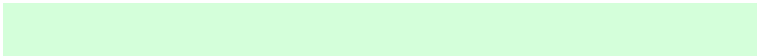
73.6170, 0.4604, 0.3018

# Sweetspot

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



73.6201, 0.2951, 0.4900



90.5387, 0.3069, 0.3680



86.7386, 0.3799, 0.4741



19.1708, 0.3062, 0.3732



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.



73.6201, 0.2951, 0.4900



74.2193, 0.2938, 0.5246



76.2440, 0.2624, 0.3931



19.3521, 0.3095, 0.3497



36.3530, 0.2965, 0.5874



3.3792, 0.2914, 0.5692



# Inverse Universe

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



36.4759, 0.3403, 0.2101



32.4788, 0.3470, 0.1940



33.2432, 0.4259, 0.2776



17.4767, 0.3161, 0.3091



13.3218, 0.3634, 0.1776

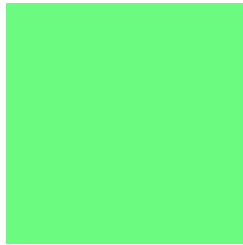


1.2457, 0.3575, 0.1743



# Previews

## White Background



This preview shows how the Yxy color 73.6170, 0.2951, 0.4900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

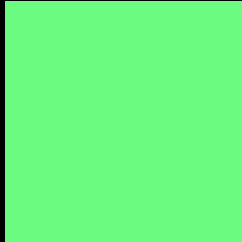
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6170, 0.2951, 0.4900 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

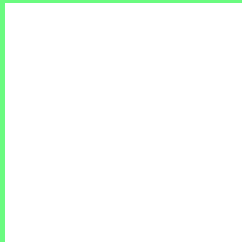
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6170, 0.2951, 0.4900**

## Background



This preview shows how black text looks on a background with the Yxy color 73.6170, 0.2951, 0.4900.

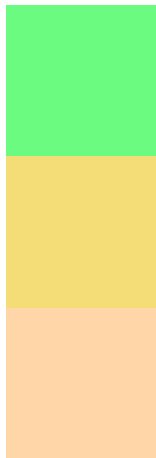


This preview shows how white text looks on a background with the Yxy color 73.6170, 0.2951, 0.4900.

# 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

73.6170, 0.2951, 0.4900

### Protanopia

72.2540, 0.3996, 0.4345

### Deuteranopia

72.1432, 0.3782, 0.3776



## Tritanopia

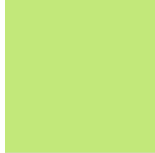
72.9617, 0.2490, 0.3069

# Trichromacy



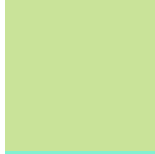
## Original Color

73.6170, 0.2951, 0.4900



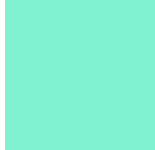
## Protanomaly

70.5877, 0.3538, 0.4573



## Deuteranomaly

69.6556, 0.3421, 0.4158



## Tritanomaly

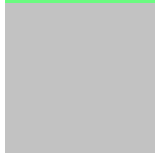
72.1812, 0.2658, 0.3688

# Monochromacy



## Original Color

73.6170, 0.2951, 0.4900



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

59.1845, 0.3043, 0.3877

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6170, 0.2951, 0.4900 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(106, 251, 128)` looks like.

```
.text, #text, p{  
    color:rgb(106, 251, 128)  
}
```

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(106, 251, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 251, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6170, 0.2951, 0.4900 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(106, 251, 128) }
```

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

```
.border{ border-color:rgb(106, 251, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 251, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 251, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 251, 128);  
box-shadow:4px 4px 4px 4px rgb(106, 251,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6170, 0.2951, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 251, 128) }
```

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

```
.background{ background-color: rgb(106,  
251, 128) }
```

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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