

# Converting Colors

$Yxy(71.5587, 0.3005, 0.4676)$

Have a look what the booklet for  
Yxy(71.5587, 0.3005, 0.4676)  
contains.

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# Color

**Yxy(71.6518, 0.3004, 0.4680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FF58A
RGB	127, 245, 138
RGB Percent	50%, 96%, 54%
CMY	0.5020, 0.0392, 0.4587
CMYK	0.48, 0.00, 0.44, 0.04
HSL	126°, 86%, 73%
HSV	126°, 48%, 96%
XYZ	45.9919, 71.6518, 35.4585
YIQ	197.5200, -35.9810, -58.2930

# Conversions

## Conversions Part 2

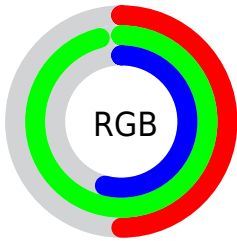
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 235, 245
Decimal	8385930
CIELab	87.80, -54.88, 41.37
CIElCh	88, 68.722, 142.990
Yxy	71.6518, 0.3004, 0.4680
Android (android.graphics.Color)	4286576010 (0xFF7FF58A)
YUV	197.5200, -29.3434, -61.8460
Hunter-Lab	84.6474, -51.1476, 34.4168

# Details

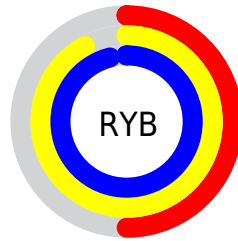
The Yxy color **71.6518, 0.3004, 0.4680** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.5278, 0.3282, 0.2213**, and the grayscale version is **56.3638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8094, 0.3053, 0.3991**, and **37.7966, 0.2935, 0.5063** is the 20% darker color. If you saturate the color by 10%, you get **69.4180, 0.2986, 0.5014**, and if you desaturate by 10%, it is **74.4804, 0.3027, 0.4346**.

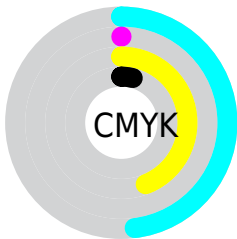
# Distribution



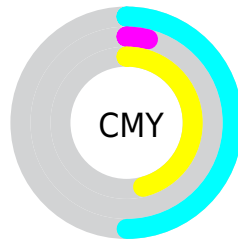
- Red (50%)
- Green (96%)
- Blue (54%)



- Red (50%)
- Yellow (92%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)




- Cyan (50%)
- Magenta (4%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6518, 0.3004, 0.4680 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 71.6518, 0.3004, 0.4680 by changing the saturation by 10% instead.




 71.6518, 0.3004,  
0.4680


 71.6518, 0.3004,  
0.4680


466.3287, 0.3091,  
0.3988

 52.8743, 0.2975,  
0.4849


 121.5614, 0.3041,  
0.4431

 37.7024, 0.2935,  
0.5062


 153.4622, 0.3054,  
0.4337

 25.7518, 0.2875,  
0.5338


 190.5062, 0.3063,  
0.4256

 16.6381, 0.2782,  
0.5708

233.0779, 0.3071,  
0.4188

 9.9768, 0.2629,  
0.6219

281.5616, 0.3078,  
0.4128

 5.3836, 0.2381,  
0.7020


336.3417, 0.3083,

 2.4740, 0.1774,


0.4075


0.8226


397.8026, 0.3088,  
0.4029


 0.8636, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.6518, 0.3004,  
0.4680


 71.6518, 0.3004,  
0.4680


 69.4180, 0.2986,  
0.5014

 74.4804, 0.3027,  
0.4346


 67.7283, 0.2974,  
0.5329


 77.9326, 0.3053,  
0.4030


 66.5382, 0.2970,  
0.5599

 82.0459, 0.3080,  
0.3739


 65.7924, 0.2974,  
0.5804

 86.8524, 0.3106,  
0.3479

 65.4160, 0.2985,  
0.5933

 92.3820, 0.3132,  
0.3250

 65.3696, 0.2986,  
0.5950

 93.7881, 0.3132,  
0.3194

# Harmonies

## Analogous

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



71.6518, 0.3789, 0.4799



71.6518, 0.3004, 0.4680



71.6518, 0.2295, 0.3966

# Triad

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



71.6518, 0.3004, 0.4680



71.6518, 0.1884, 0.2098



71.6518, 0.4586, 0.3245

# Complementary

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



71.6518, 0.3004, 0.4680



40.5278, 0.3282, 0.2213

# 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.



71.6518, 0.3928, 0.2700



71.6518, 0.3004, 0.4680



71.6518, 0.2343, 0.2070

# Square

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



71.6518, 0.3004, 0.4680



71.6518, 0.1716, 0.2416



71.6518, 0.3073, 0.2285



71.6518, 0.4762, 0.3843



# Rectangle

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



71.6518, 0.3004, 0.4680



71.6518, 0.1961, 0.3355



71.6518, 0.3073, 0.2285



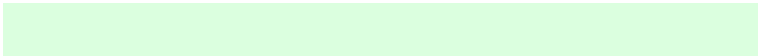
71.6518, 0.4410, 0.3054

# Sweetspot

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



71.6548, 0.3004, 0.4680



91.9349, 0.3091, 0.3627



84.5313, 0.3766, 0.4497



19.4412, 0.3085, 0.3685



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.



71.6548, 0.3004, 0.4680



76.0307, 0.2986, 0.5013



73.7970, 0.2720, 0.3909



18.4972, 0.3103, 0.3511



35.2228, 0.2982, 0.5937



3.1041, 0.2944, 0.5798



# Inverse Universe

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



40.5278, 0.3282, 0.2213



38.1573, 0.3320, 0.2030



37.7300, 0.3891, 0.2765



16.7400, 0.3152, 0.3078



13.3129, 0.3459, 0.1679

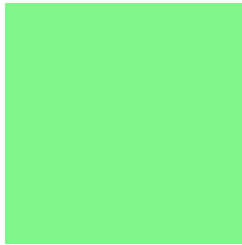


1.1777, 0.3424, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 71.6518, 0.3004, 0.4680 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 71.6518, 0.3004, 0.4680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

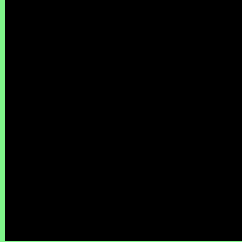
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.6518, 0.3004, 0.4680**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6518, 0.3004, 0.4680.



This preview shows how white text looks on a background with the Yxy color 71.6518, 0.3004, 0.4680.

# 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

71.6518, 0.3004, 0.4680

### Protanopia

70.7468, 0.3912, 0.4248

### Deuteranopia

70.4572, 0.3829, 0.3797



## Tritanopia

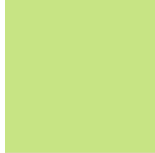
71.3537, 0.2547, 0.3069

# Trichromacy



## Original Color

71.6518, 0.3004, 0.4680



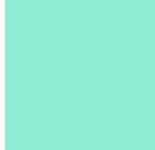
## Protanomaly

69.2949, 0.3532, 0.4413



## Deuteranomaly

68.4852, 0.3484, 0.4103



## Tritanomaly

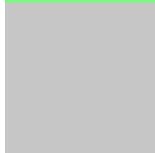
71.0612, 0.2714, 0.3622

# Monochromacy



## Original Color

71.6518, 0.3004, 0.4680



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

60.5061, 0.3075, 0.3786

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6518, 0.3004, 0.4680 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(127, 245, 138)` looks like.

```
.text, #text, p{  
    color:rgb(127, 245, 138)  
}
```

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(127, 245, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 245, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6518, 0.3004, 0.4680 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(127, 245, 138) }
```

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

```
.border{ border-color:rgb(127, 245, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 245, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 245, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 245, 138);  
box-shadow:4px 4px 4px 4px rgb(127, 245,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6518, 0.3004, 0.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 245, 138) }
```

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

```
.background{ background-color: rgb(127,  
245, 138) }
```

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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