

# Converting Colors

$Yxy(71.0217, 0.2660, 0.4368)$

Have a look what the booklet for  
Yxy(71.0217, 0.2660, 0.4368)  
contains.

<b>Yxy(70.8045, 0.2657, 0.4360)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(70.8045, 0.2657, 0.4360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AF7A8
RGB	74, 247, 168
RGB Percent	29%, 97%, 66%
CMY	0.7101, 0.0313, 0.3411
CMYK	0.70, 0.00, 0.32, 0.03
HSL	153°, 92%, 63%
HSV	153°, 70%, 97%
XYZ	43.1485, 70.8045, 48.4426
YIQ	186.2670, -77.7490, -61.2450

# Conversions

## Conversions Part 2

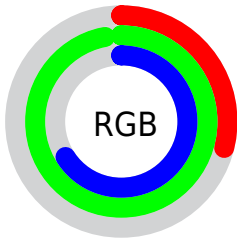
Format	Color
<a href="#">RYB</a>	<a href="#">74, 186, 247</a>
Decimal	<a href="#">4913064</a>
CIELab	<a href="#">87.39, -61.37, 25.58</a>
CIELCh	<a href="#">87, 66.485, 157.374</a>
Yxy	<a href="#">70.8045, 0.2657, 0.4360</a>
Android (android.graphics.Color)	<a href="#">4283103144 (0xFF4AF7A8)</a>
YUV	<a href="#">186.2670, -9.0056, -98.4582</a>
Hunter-Lab	<a href="#">84.1454, -55.7223, 24.7685</a>

# Details

The Yxy color **70.8045, 0.2657, 0.4360** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **26.9599, 0.4376, 0.2535**, and the grayscale version is **49.3337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6526, 0.2668, 0.3652**, and **37.6330, 0.2619, 0.4630** is the 20% darker color. If you saturate the color by 10%, you get **69.6109, 0.2649, 0.4541**, and if you desaturate by 10%, it is **72.4246, 0.2685, 0.4180**.

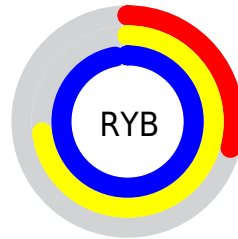
# Distribution



Red (29%)

Green (97%)

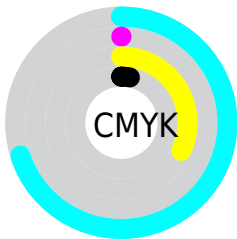
Blue (66%)



Red (29%)

Yellow (73%)

Blue (97%)

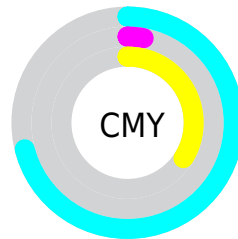


Cyan (70%)

Magenta (0%)

Yellow (32%)

Black (3%)



Cyan (71%)

Magenta (3%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8045, 0.2657, 0.4360 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 70.8045, 0.2657, 0.4360 by changing the saturation by 10% instead.




 70.8045, 0.2657,  
0.4360


 70.8045, 0.2657,  
0.4360


463.3697, 0.2892,  
0.3828

 52.1827, 0.2599,  
0.4491


 120.3553, 0.2742,  
0.4168

 37.1507, 0.2525,  
0.4658


 152.0531, 0.2774,  
0.4095

 25.3242, 0.2427,  
0.4876


 188.8783, 0.2801,  
0.4034

 16.3188, 0.2293,  
0.5175

 231.2153, 0.2825,  
0.3981

 9.7500, 0.2100,  
0.5603

279.4486, 0.2845,  
0.3935

 5.2335, 0.1803,  
0.6255

333.9625, 0.2863,

 2.3849, 0.1097,

0.3895

0.7885

395.1414, 0.2878,  
0.3859

■ 0.8181, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.8045, 0.2657,  
0.4360

■ 70.8045, 0.2657,  
0.4360

■ 69.6109, 0.2649,  
0.4541

■ 72.4246, 0.2685,  
0.4180

■ 68.7864, 0.2661,  
0.4718


■ 74.5040, 0.2732,  
0.4004


■ 68.2560, 0.2691,  
0.4886

■ 77.0814, 0.2794,  
0.3837

■ 80.1893, 0.2867,  
0.3681

 83.8572, 0.2949,  
0.3537

 88.1125, 0.3036,  
0.3407

 92.9805, 0.3126,  
0.3291

 95.0071, 0.3131,  
0.3214

# Harmonies

## Analogous

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



70.8045, 0.3414, 0.4775



70.8045, 0.2657, 0.4360



70.8045, 0.2070, 0.3520

# Triad

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



70.8045, 0.2657, 0.4360



70.8045, 0.2094, 0.2081



70.8045, 0.4693, 0.3528

# Complementary

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



70.8045, 0.2657, 0.4360



26.9599, 0.4376, 0.2535

# 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.



70.8045, 0.4257, 0.2961



70.8045, 0.2657, 0.4360



70.8045, 0.2677, 0.2172

# Square

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



70.8045, 0.2657, 0.4360



70.8045, 0.1792, 0.2252



70.8045, 0.3475, 0.2483



70.8045, 0.4623, 0.4114



# Rectangle

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



70.8045, 0.2657, 0.4360



70.8045, 0.1841, 0.2966



70.8045, 0.3475, 0.2483



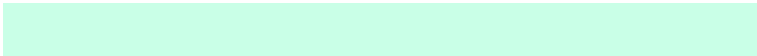
70.8045, 0.4602, 0.3334

# Sweetspot

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



70.8073, 0.2657, 0.4360



89.7446, 0.2941, 0.3551



73.9588, 0.3422, 0.5278



18.9659, 0.2918, 0.3589



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.



70.8073, 0.2657, 0.4360



74.4298, 0.2651, 0.4614



71.2211, 0.2309, 0.3217



18.6227, 0.3042, 0.3400



36.1244, 0.2683, 0.4858



3.1957, 0.2624, 0.4644



# Inverse Universe

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



26.9599, 0.4376, 0.2535



24.6833, 0.4765, 0.2521



25.9612, 0.5466, 0.3344



16.6083, 0.3222, 0.3182



11.1131, 0.5145, 0.2608

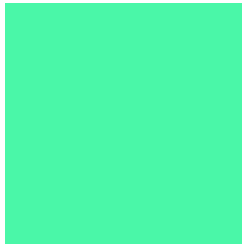


0.9972, 0.4841, 0.2440



# Previews

## White Background



This preview shows how the Yxy color 70.8045, 0.2657, 0.4360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

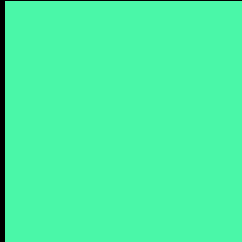
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8045, 0.2657, 0.4360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

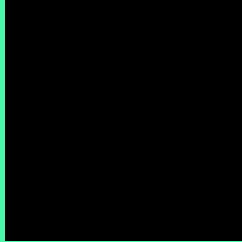
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.8045, 0.2657, 0.4360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8045, 0.2657, 0.4360.

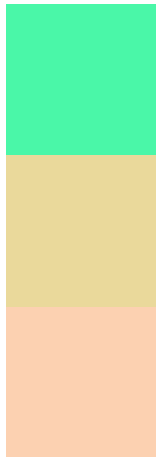


This preview shows how white text looks on a background with the Yxy color 70.8045, 0.2657, 0.4360.

# 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

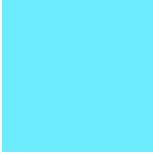
70.8045, 0.2657, 0.4360

### Protanopia

69.4847, 0.3692, 0.3967

### Deuteranopia

69.4707, 0.3699, 0.3625



## Tritanopia

70.5259, 0.2365, 0.3062

# Trichromacy



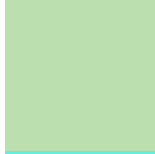
## Original Color

70.8045, 0.2657, 0.4360



## Protanomaly

67.2550, 0.3195, 0.4132



## Deuteranomaly

66.3961, 0.3190, 0.3885



## Tritanomaly

70.1893, 0.2466, 0.3503

# Monochromacy



## Original Color

70.8045, 0.2657, 0.4360



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

54.3862, 0.2869, 0.3683

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8045, 0.2657, 0.4360 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(74, 247, 168)` looks like.

```
.text, #text, p{  
    color:rgb(74, 247, 168)  
}
```

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(74, 247, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 247, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8045, 0.2657, 0.4360 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(74, 247, 168) }
```

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

```
.border{ border-color:rgb(74, 247, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 247, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 247, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 247, 168);  
box-shadow:4px 4px 4px 4px rgb(74, 247,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8045, 0.2657, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 247, 168) }
```

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

```
.background{ background-color: rgb(74, 247,  
168) }
```

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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