

# Converting Colors

$Yxy(66.9486, 0.2482, 0.3902)$

Have a look what the booklet for  
Yxy(66.9486, 0.2482, 0.3902)  
contains.

<b>Yxy(67.1302, 0.2480, 0.3899)</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(67.1302, 0.2480, 0.3899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39F0C3
RGB	57, 240, 195
RGB Percent	22%, 94%, 76%
CMY	0.7764, 0.0588, 0.2352
CMYK	0.76, 0.00, 0.19, 0.06
HSL	165°, 86%, 58%
HSV	165°, 76%, 94%
XYZ	42.6989, 67.1302, 62.3438
YIQ	180.1530, -94.6230, -52.7910

# Conversions

## Conversions Part 2

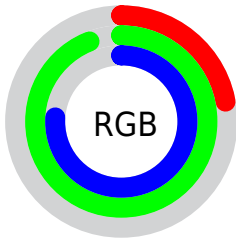
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	57, 161, 240
Decimal	3797187
CIE <sub>Lab</sub>	85.57, -54.86, 9.04
CIE <sub>LCh</sub>	86, 55.602, 170.639
Y <sub>xy</sub>	67.1302, 0.2480, 0.3899
Android (android.graphics.Color)	4281987267 (0xFF39F0C3)
YUV	180.1530, 7.3196, -108.0052
Hunter-Lab	81.9330, -50.3587, 12.2387

# Details

The Yxy color **67.1302, 0.2480, 0.3899** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.4122, 0.5168, 0.2910**, and the grayscale version is **45.7293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3736, 0.2498, 0.3322**, and **35.7901, 0.2457, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **66.3245, 0.2467, 0.3992**, and if you desaturate by 10%, it is **68.2847, 0.2514, 0.3807**.

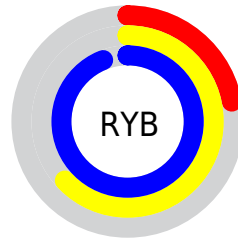
# Distribution



Red (22%)

Green (94%)

Blue (76%)



Red (22%)

Yellow (63%)

Blue (94%)

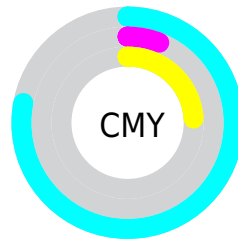


Cyan (76%)

Magenta (0%)

Yellow (19%)

Black (6%)



Cyan (78%)

Magenta (6%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1302, 0.2480, 0.3899 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 67.1302, 0.2480, 0.3899 by changing the saturation by 10% instead.




 67.1302, 0.2480,  
0.3899

 67.1302, 0.2480,  
0.3899


450.4081, 0.2787,  
0.3603


 49.1904, 0.2408,  
0.3970


 115.1070, 0.2588,  
0.3794


 34.7706, 0.2319,  
0.4060


 145.9127, 0.2629,  
0.3754

 23.4862, 0.2206,  
0.4176


 181.7760, 0.2665,  
0.3719

 14.9529, 0.2056,  
0.4333

 223.0811, 0.2696,  
0.3690

 8.7864, 0.1850,  
0.4555

270.2125, 0.2723,  
0.3664

 4.6021, 0.1553,  
0.4893

323.5545, 0.2746,

 2.0157, 0.0834,

0.3641

0.5619

383.4916, 0.2768,  
0.3621

0.6166, 0.0000,  
0.9404

0.0000, 0.0000,  
0.0000

67.1302, 0.2480,  
0.3899

67.1302, 0.2480,  
0.3899

66.3245, 0.2467,  
0.3992

68.2847, 0.2514,  
0.3807

65.8078, 0.2472,  
0.4083

69.8217, 0.2567,  
0.3716


65.6580, 0.2477,  
0.4117

71.7795, 0.2638,  
0.3628

74.1895, 0.2725,  
0.3545

 77.0802, 0.2825,  
0.3467

 80.4776, 0.2935,  
0.3394

 84.4059, 0.3052,  
0.3328

 88.8877, 0.3173,  
0.3268

 90.3666, 0.3176,  
0.3212

# Harmonies

## Analogous

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



67.1302, 0.3096, 0.4441



67.1302, 0.2480, 0.3899



67.1302, 0.2066, 0.3178

# Triad

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



67.1302, 0.2480, 0.3899



67.1302, 0.2430, 0.2242



67.1302, 0.4496, 0.3750

# Complementary

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



67.1302, 0.2480, 0.3899



22.4122, 0.5168, 0.2910

# 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.



67.1302, 0.4303, 0.3232



67.1302, 0.2480, 0.3899



67.1302, 0.3036, 0.2412

# Square

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



67.1302, 0.2480, 0.3899



67.1302, 0.2048, 0.2294



67.1302, 0.3741, 0.2762



67.1302, 0.4276, 0.4232



# Rectangle

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



67.1302, 0.2480, 0.3899



67.1302, 0.1940, 0.2766



67.1302, 0.3741, 0.2762



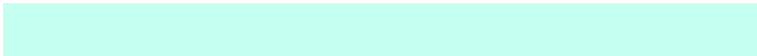
67.1302, 0.4480, 0.3577

# Sweetspot

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



67.1328, 0.2480, 0.3899



89.6286, 0.2859, 0.3443



65.4867, 0.3189, 0.5574



18.8985, 0.2820, 0.3470



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.



67.1328, 0.2480, 0.3899



75.7765, 0.2467, 0.4038



45.8586, 0.2138, 0.2667



17.8587, 0.3014, 0.3349



35.9634, 0.2473, 0.4103



3.0074, 0.2439, 0.3982



# Inverse Universe

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



22.4122, 0.5168, 0.2910



22.4500, 0.5725, 0.2989



28.4736, 0.5379, 0.3690



15.8226, 0.3255, 0.3232



10.3315, 0.5942, 0.3047

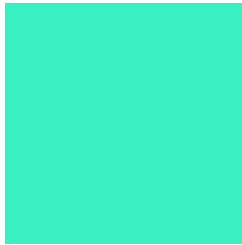


0.8748, 0.5574, 0.2844



# Previews

## White Background



This preview shows how the Yxy color 67.1302, 0.2480, 0.3899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

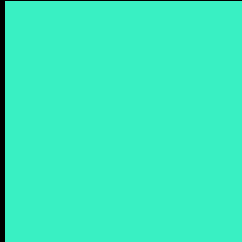
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1302, 0.2480, 0.3899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

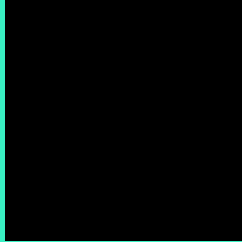
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.1302, 0.2480, 0.3899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1302, 0.2480, 0.3899.

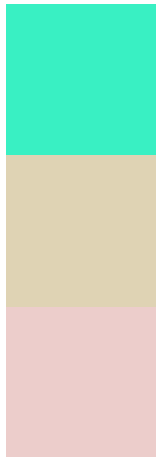


This preview shows how white text looks on a background with the Yxy color 67.1302, 0.2480, 0.3899.

# 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

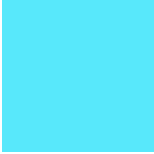
67.1302, 0.2480, 0.3899

### Protanopia

65.5718, 0.3440, 0.3641

### Deuteranopia

65.8073, 0.3383, 0.3312



## **Tritanopia**

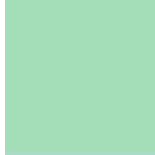
66.7530, 0.2301, 0.3054

# Trichromacy



## Original Color

67.1302, 0.2480, 0.3899



## Protanomaly

63.5319, 0.2957, 0.3758



## Deuteranomaly

62.9709, 0.2916, 0.3512



## Tritanomaly

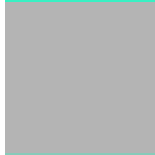
66.7640, 0.2360, 0.3339

# Monochromacy



## Original Color

67.1302, 0.2480, 0.3899



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

50.8947, 0.2761, 0.3525

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1302, 0.2480, 0.3899 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(57, 240, 195)` looks like.

```
.text, #text, p{  
  color:rgb(57, 240, 195)  
}
```

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(57, 240, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 240, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1302, 0.2480, 0.3899 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(57, 240, 195) }
```

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

```
.border{ border-color:rgb(57, 240, 195) }
```

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

Here you see how a box with a 4 pixel rgb(57, 240, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 240, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 240, 195);  
box-shadow:4px 4px 4px 4px rgb(57, 240,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1302, 0.2480, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 240, 195) }
```

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

```
.background{ background-color: rgb(57, 240,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor