

# Converting Colors

$Yxy(69.6988, 0.2549, 0.3939)$

Have a look what the booklet for  
Yxy(69.6988, 0.2549, 0.3939)  
contains.

<b>Yxy(69.7017, 0.2549, 0.3940)</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(69.7017, 0.2549, 0.3940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50F3C2
RGB	80, 243, 194
RGB Percent	31%, 95%, 76%
CMY	0.6864, 0.0470, 0.2392
CMYK	0.67, 0.00, 0.20, 0.05
HSL	162°, 87%, 63%
HSV	162°, 67%, 95%
XYZ	45.0938, 69.7017, 62.1124
YIQ	188.6770, -81.4190, -49.7950

# Conversions

## Conversions Part 2

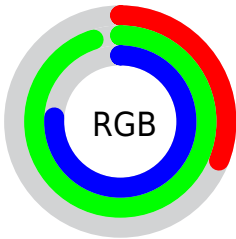
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 176, 243
Decimal	5305282
CIE <sub>Lab</sub>	86.85, -53.35, 11.46
CIE <sub>LCh</sub>	87, 54.568, 167.880
Yxy	69.7017, 0.2549, 0.3940
Android (android.graphics.Color)	4283495362 (0xFF50F3C2)
YUV	188.6770, 2.6242, -95.3097
Hunter-Lab	83.4875, -49.6907, 14.3312

# Details

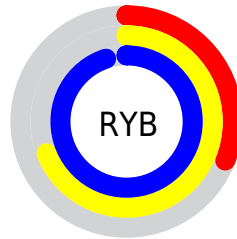
The Yxy color **69.7017, 0.2549, 0.3940** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **26.3737, 0.4673, 0.2814**, and the grayscale version is **50.7111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5960, 0.2562, 0.3333**, and **37.0113, 0.2475, 0.4109** is the 20% darker color. If you saturate the color by 10%, you get **68.5113, 0.2522, 0.4056**, and if you desaturate by 10%, it is **71.2960, 0.2596, 0.3826**.

# Distribution



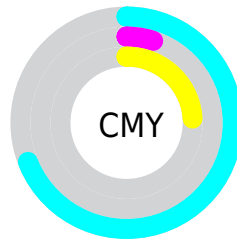
- Red (31%)
- Green (95%)
- Blue (76%)



- Red (31%)
- Yellow (69%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)




- Cyan (69%)
- Magenta (5%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7017, 0.2549, 0.3940 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 69.7017, 0.2549, 0.3940 by changing the saturation by 10% instead.



 69.7017, 0.2549,  
0.3940


 69.7017, 0.2549,  
0.3940

459.5019, 0.2823,  
0.3624

 51.2834, 0.2485,  
0.4016


 118.7833, 0.2645,  
0.3827


 36.4342, 0.2405,  
0.4111


 150.2153, 0.2683,  
0.3785

 24.7697, 0.2303,  
0.4236


 186.7540, 0.2714,  
0.3748

 15.9056, 0.2168,  
0.4403

 228.7838, 0.2742,  
0.3717

 9.4574, 0.1981,  
0.4642

276.6892, 0.2766,  
0.3689

 5.0407, 0.1710,  
0.5004


330.8543, 0.2787,

 2.2712, 0.1177,


0.3665


0.5682


391.6638, 0.2806,  
0.3644


 0.7584, 0.0000,  
0.9685

 0.0000, 0.0000,  
0.0000


 69.7017, 0.2549,  
0.3940


 69.7017, 0.2549,  
0.3940


 68.5113, 0.2522,  
0.4056


 71.2960, 0.2596,  
0.3826


 67.6727, 0.2515,  
0.4171


 73.3231, 0.2661,  
0.3717


 67.1326, 0.2527,  
0.4285


 75.8187, 0.2742,  
0.3613


 67.0059, 0.2533,  
0.4318


 78.8124, 0.2835,  
0.3515

 82.3314, 0.2938,  
0.3425

 86.4009, 0.3047,  
0.3343

 91.0443, 0.3160,  
0.3269

 92.4214, 0.3148,  
0.3200

 92.5853, 0.3133,  
0.3175

# Harmonies

## Analogous

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



69.7017, 0.3159, 0.4430



69.7017, 0.2549, 0.3940



69.7017, 0.2122, 0.3245

# Triad

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



69.7017, 0.2549, 0.3940



69.7017, 0.2406, 0.2265



69.7017, 0.4456, 0.3695

# Complementary

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



69.7017, 0.2549, 0.3940



26.3737, 0.4673, 0.2814

# 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.



69.7017, 0.4229, 0.3191



69.7017, 0.2549, 0.3940



69.7017, 0.2979, 0.2411

# Square

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



69.7017, 0.2549, 0.3940



69.7017, 0.2055, 0.2339



69.7017, 0.3661, 0.2739



69.7017, 0.4279, 0.4170



# Rectangle

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



69.7017, 0.2549, 0.3940



69.7017, 0.1982, 0.2833



69.7017, 0.3661, 0.2739



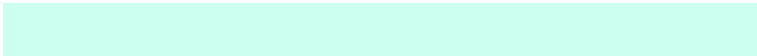
69.7017, 0.4426, 0.3526

# Sweetspot

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



69.7044, 0.2549, 0.3940



90.6290, 0.2907, 0.3451



69.5574, 0.3272, 0.5299



19.1593, 0.2878, 0.3476



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.



69.7044, 0.2549, 0.3940



76.0055, 0.2517, 0.4103



55.8233, 0.2251, 0.2901



18.6680, 0.3021, 0.3362



36.7979, 0.2528, 0.4300



3.2523, 0.2488, 0.4157



# Inverse Universe

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



26.3737, 0.4673, 0.2814



24.5485, 0.5192, 0.2823



30.7568, 0.5117, 0.3579



16.5645, 0.3246, 0.3219



10.7430, 0.5762, 0.2948

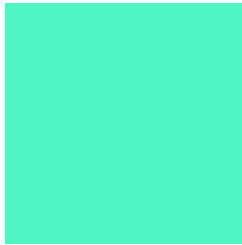


0.9616, 0.5408, 0.2753



# Previews

## White Background



This preview shows how the Yxy color 69.7017, 0.2549, 0.3940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

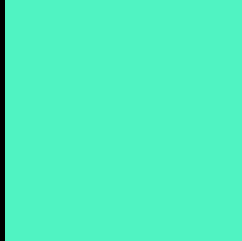
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7017, 0.2549, 0.3940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

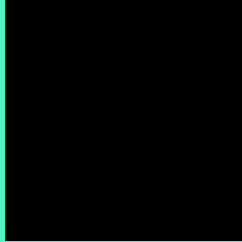
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7017, 0.2549, 0.3940**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7017, 0.2549, 0.3940.



This preview shows how white text looks on a background with the Yxy color 69.7017, 0.2549, 0.3940.

# 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

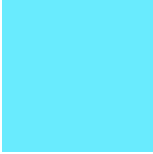
69.7017, 0.2549, 0.3940

### Protanopia

68.3901, 0.3471, 0.3679

### Deuteranopia

68.2533, 0.3432, 0.3355



## **Tritanopia**

69.5757, 0.2350, 0.3060

# Trichromacy



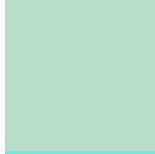
## Original Color

69.7017, 0.2549, 0.3940



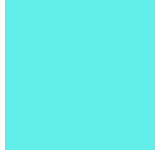
## Protanomaly

66.3519, 0.3030, 0.3783



## Deuteranomaly

65.9037, 0.3004, 0.3554



## Tritanomaly

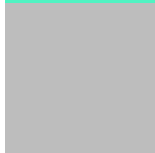
69.4621, 0.2419, 0.3363

# Monochromacy



## Original Color

69.7017, 0.2549, 0.3940



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

55.7521, 0.2822, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7017, 0.2549, 0.3940 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(80, 243, 194)` looks like.

```
.text, #text, p{  
    color:rgb(80, 243, 194)  
}
```

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(80, 243, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 243, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7017, 0.2549, 0.3940 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(80, 243, 194) }
```

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

```
.border{ border-color:rgb(80, 243, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 243, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 243, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 243, 194);  
box-shadow:4px 4px 4px 4px rgb(80, 243,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7017, 0.2549, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 243, 194) }
```

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

```
.background{ background-color: rgb(80, 243,  
194) }
```

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