

# Converting Colors

$Y_{xy}(67.9871, 0.2544, 0.3947)$

Have a look what the booklet for  
Yxy(67.9871, 0.2544, 0.3947)  
contains.

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# Color

**Yxy(68.2941, 0.2544, 0.3946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DF1C0
RGB	77, 241, 192
RGB Percent	30%, 95%, 75%
CMY	0.6982, 0.0549, 0.2469
CMYK	0.68, 0.00, 0.20, 0.05
HSL	162°, 85%, 62%
HSV	162°, 68%, 95%
XYZ	44.0294, 68.2941, 60.7482
YIQ	186.3780, -82.0150, -50.0070

# Conversions

## Conversions Part 2

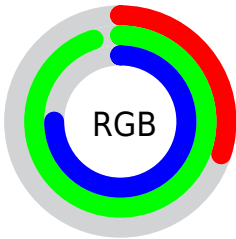
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 173, 241
Decimal	5108160
CIELab	86.15, -53.44, 11.48
CIElCh	86, 54.659, 167.877
Yxy	68.2941, 0.2544, 0.3946
Android (android.graphics.Color)	4283298240 (0xFF4DF1C0)
YUV	186.3780, 2.7716, -95.9245
Hunter-Lab	82.6402, -49.5184, 14.2646

# Details

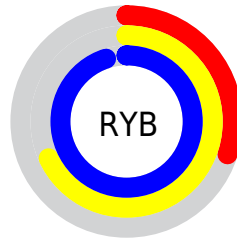
The Yxy color **68.2941, 0.2544, 0.3946** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.5065, 0.4713, 0.2816**, and the grayscale version is **49.3388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2266, 0.2567, 0.3368**, and **36.1451, 0.2472, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **67.1627, 0.2519, 0.4061**, and if you desaturate by 10%, it is **69.8175, 0.2589, 0.3833**.

# Distribution



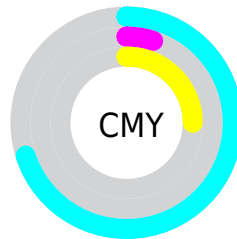
- Red (30%)
- Green (95%)
- Blue (75%)



- Red (30%)
- Yellow (68%)
- Blue (95%)



- Cyan (68%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)



- Cyan (70%)
- Magenta (5%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2941, 0.2544, 0.3946 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 68.2941, 0.2544, 0.3946 by changing the saturation by 10% instead.




 68.2941, 0.2544,  
0.3946


 68.2941, 0.2544,  
0.3946


454.5373, 0.2822,  
0.3626


 50.1370, 0.2479,  
0.4023

 116.7728, 0.2642,  
0.3832


 35.5223, 0.2397,  
0.4121

 147.8632, 0.2679,  
0.3788

 24.0655, 0.2293,  
0.4248


 184.0335, 0.2712,  
0.3751

 15.3822, 0.2155,  
0.4420

 225.6681, 0.2740,  
0.3719

 9.0881, 0.1964,  
0.4665

273.1514, 0.2764,  
0.3692

 4.7987, 0.1685,  
0.5039

326.8677, 0.2785,

 2.1296, 0.1073,

0.3667

0.5786

387.2016, 0.2805,  
0.3646

0.6812, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.2941, 0.2544,  
0.3946

68.2941, 0.2544,  
0.3946

67.1627, 0.2519,  
0.4061

69.8175, 0.2589,  
0.3833

66.3716, 0.2514,  
0.4175


71.7619, 0.2653,  
0.3724

65.8633, 0.2527,  
0.4288


74.1624, 0.2733,  
0.3620


65.7809, 0.2531,  
0.4310

77.0485, 0.2825,  
0.3523

 80.4469, 0.2927,  
0.3433

 84.3824, 0.3036,  
0.3350

 88.8783, 0.3149,  
0.3276

 91.0502, 0.3166,  
0.3207

 91.3940, 0.3133,  
0.3156

# Harmonies

## Analogous

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



68.2941, 0.3159, 0.4441



68.2941, 0.2544, 0.3946



68.2941, 0.2115, 0.3244

# Triad

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



68.2941, 0.2544, 0.3946



68.2941, 0.2400, 0.2257



68.2941, 0.4467, 0.3697

# Complementary

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



68.2941, 0.2544, 0.3946



25.5065, 0.4713, 0.2816

# 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.



68.2941, 0.4238, 0.3190



68.2941, 0.2544, 0.3946



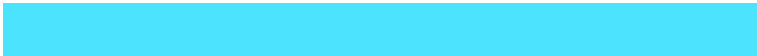
68.2941, 0.2977, 0.2405

# Square

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



68.2941, 0.2544, 0.3946



68.2941, 0.2047, 0.2331



68.2941, 0.3666, 0.2735



68.2941, 0.4287, 0.4176



# Rectangle

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



68.2941, 0.2544, 0.3946



68.2941, 0.1973, 0.2829



68.2941, 0.3666, 0.2735



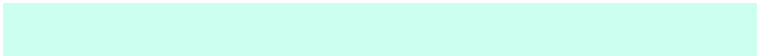
68.2941, 0.4437, 0.3527

# Sweetspot

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



68.2968, 0.2544, 0.3946



90.6353, 0.2906, 0.3450



67.8972, 0.3255, 0.5336



19.1608, 0.2877, 0.3475



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.



68.2968, 0.2544, 0.3946



75.9301, 0.2514, 0.4109



53.1333, 0.2234, 0.2857



17.8439, 0.3021, 0.3361



35.6945, 0.2525, 0.4291



2.9869, 0.2484, 0.4142



# Inverse Universe

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



25.5065, 0.4713, 0.2816



24.2957, 0.5236, 0.2831



30.3368, 0.5133, 0.3607



15.8365, 0.3246, 0.3220



10.4150, 0.5767, 0.2951

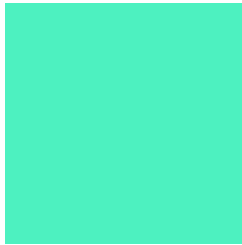


0.8833, 0.5394, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 68.2941, 0.2544, 0.3946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

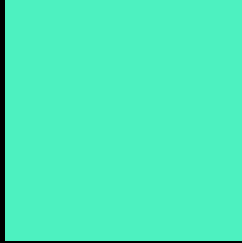
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2941, 0.2544, 0.3946 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 68.2941, 0.2544, 0.3946**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2941, 0.2544, 0.3946.



This preview shows how white text looks on a background with the Yxy color 68.2941, 0.2544, 0.3946.

# 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

68.2941, 0.2544, 0.3946

### Protanopia

66.9716, 0.3474, 0.3682

### Deuteranopia

66.8380, 0.3435, 0.3355



## Tritanopia

68.1897, 0.2345, 0.3058

# Trichromacy



## Original Color

68.2941, 0.2544, 0.3946



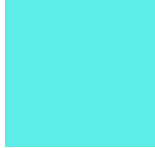
## Protanomaly

64.9649, 0.3029, 0.3788



## Deuteranomaly

64.5180, 0.3003, 0.3557



## Tritanomaly

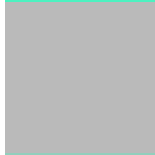
68.0838, 0.2416, 0.3364

# Monochromacy



## Original Color

68.2941, 0.2544, 0.3946



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

53.8844, 0.2818, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2941, 0.2544, 0.3946 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(77, 241, 192)` looks like.

```
.text, #text, p{  
    color:rgb(77, 241, 192)  
}
```

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(77, 241, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 241, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2941, 0.2544, 0.3946 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(77, 241, 192) }
```

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

```
.border{ border-color:rgb(77, 241, 192) }
```

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

Here you see how a box with a 4 pixel rgb(77, 241, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 241, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 241, 192);  
box-shadow:4px 4px 4px 4px rgb(77, 241,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2941, 0.2544, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 241, 192) }
```

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

```
.background{ background-color: rgb(77, 241,  
192) }
```

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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