

# Converting Colors

$Yxy(66.9793, 0.2680, 0.4302)$

Have a look what the booklet for  
Yxy(66.9793, 0.2680, 0.4302)  
contains.

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# Color

**Yxy(66.9582, 0.2682, 0.4307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54F0A6
RGB	84, 240, 166
RGB Percent	33%, 94%, 65%
CMY	0.6709, 0.0588, 0.3490
CMYK	0.65, 0.00, 0.31, 0.06
HSL	152°, 84%, 64%
HSV	152°, 65%, 94%
XYZ	41.6954, 66.9582, 46.8101
YIQ	184.9200, -69.2220, -56.0860

# Conversions

## Conversions Part 2

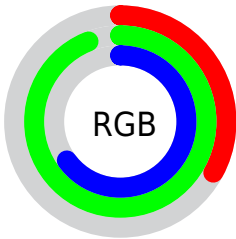
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 186, 240
Decimal	5566630
CIELab	85.48, -57.51, 24.02
CIELCh	85, 62.327, 157.328
Yxy	66.9582, 0.2682, 0.4307
Android (android.graphics.Color)	4283756710 (0xFF54F0A6)
YUV	184.9200, -9.3276, -88.5068
Hunter-Lab	81.8280, -52.2445, 23.3625

# Details

The Yxy color **66.9582, 0.2682, 0.4307** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **27.3225, 0.4200, 0.2535**, and the grayscale version is **48.5420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0364, 0.2709, 0.3686**, and **35.0819, 0.2604, 0.4574** is the 20% darker color. If you saturate the color by 10%, you get **65.6384, 0.2665, 0.4495**, and if you desaturate by 10%, it is **68.6994, 0.2719, 0.4121**.

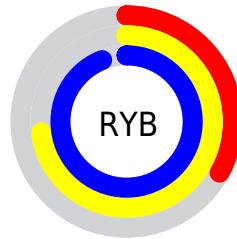
# Distribution



Red (33%)

Green (94%)

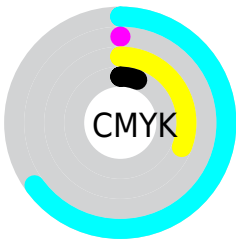
Blue (65%)



Red (33%)

Yellow (73%)

Blue (94%)

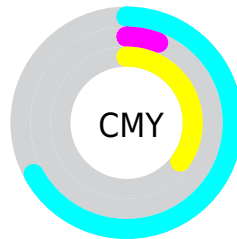


Cyan (65%)

Magenta (0%)

Yellow (31%)

Black (6%)



Cyan (67%)

Magenta (6%)

Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9582, 0.2682, 0.4307 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 66.9582, 0.2682, 0.4307 by changing the saturation by 10% instead.




 66.9582, 0.2682,  
0.4307

 66.9582, 0.2682,  
0.4307

449.7960, 0.2906,  
0.3797

 49.0507, 0.2626,  
0.4434


 114.8605, 0.2764,  
0.4122


 34.6597, 0.2554,  
0.4595


 145.6241, 0.2794,  
0.4053

 23.4008, 0.2459,  
0.4809


 181.4418, 0.2820,  
0.3994

 14.8898, 0.2328,  
0.5102

 222.6980, 0.2842,  
0.3943

 8.7421, 0.2136,  
0.5528

269.7771, 0.2861,  
0.3900

 4.5733, 0.1836,  
0.6190

323.0636, 0.2878,

 1.9992, 0.0934,

0.3861

0.8292

382.9417, 0.2893,  
0.3828

0.6070, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.9582, 0.2682,  
0.4307

66.9582, 0.2682,  
0.4307

65.6384, 0.2665,  
0.4495

68.6994, 0.2719,  
0.4121

64.6904, 0.2668,  
0.4681

70.8898, 0.2771,  
0.3943

64.0659, 0.2691,  
0.4860


73.5639, 0.2838,  
0.3775


63.8378, 0.2707,  
0.4946

76.7505, 0.2914,  
0.3619

 80.4763, 0.2996,  
0.3477

 84.7658, 0.3083,  
0.3349

 89.6422, 0.3171,  
0.3235

 90.8055, 0.3134,  
0.3146

# Harmonies

## Analogous

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



66.9582, 0.3410, 0.4704



66.9582, 0.2682, 0.4307



66.9582, 0.2115, 0.3514

# Triad

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



66.9582, 0.2682, 0.4307



66.9582, 0.2134, 0.2127



66.9582, 0.4624, 0.3526

# Complementary

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



66.9582, 0.2682, 0.4307



27.3225, 0.4200, 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.



66.9582, 0.4205, 0.2976



66.9582, 0.2682, 0.4307



66.9582, 0.2697, 0.2213

# Square

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



66.9582, 0.2682, 0.4307



66.9582, 0.1842, 0.2295



66.9582, 0.3461, 0.2513



66.9582, 0.4563, 0.4090



# Rectangle

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



66.9582, 0.2682, 0.4307



66.9582, 0.1891, 0.2986



66.9582, 0.3461, 0.2513



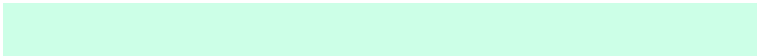
66.9582, 0.4536, 0.3337

# Sweetspot

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



66.9609, 0.2682, 0.4307



90.1169, 0.2954, 0.3547



70.3731, 0.3441, 0.5138



19.0362, 0.2931, 0.3587



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.



66.9609, 0.2682, 0.4307



74.9266, 0.2663, 0.4556



68.9781, 0.2349, 0.3255



17.7953, 0.3044, 0.3404



34.9699, 0.2699, 0.4918



2.9293, 0.2635, 0.4687



# Inverse Universe

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



27.3225, 0.4200, 0.2535



26.3127, 0.4544, 0.2481



25.9065, 0.5242, 0.3320



15.8836, 0.3219, 0.3179



10.8298, 0.5068, 0.2566

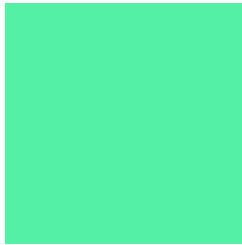


0.9209, 0.4759, 0.2395



# Previews

## White Background



This preview shows how the Yxy color 66.9582, 0.2682, 0.4307 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 66.9582, 0.2682, 0.4307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

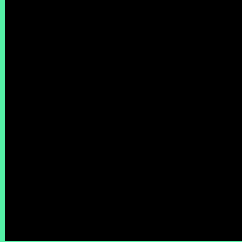
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

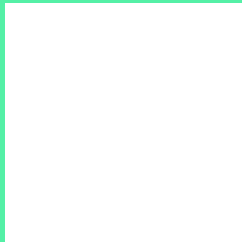
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.9582, 0.2682, 0.4307**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9582, 0.2682, 0.4307.



This preview shows how white text looks on a background with the Yxy color 66.9582, 0.2682, 0.4307.

# 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

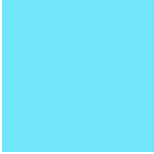
66.9582, 0.2682, 0.4307

### Protanopia

65.8809, 0.3675, 0.3950

### Deuteranopia

65.6542, 0.3681, 0.3613



## Tritanopia

66.8817, 0.2389, 0.3069

# Trichromacy



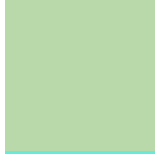
## Original Color

66.9582, 0.2682, 0.4307



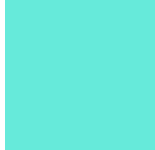
## Protanomaly

63.9413, 0.3214, 0.4094



## Deuteranomaly

63.0051, 0.3209, 0.3857



## Tritanomaly

66.7324, 0.2490, 0.3494

# Monochromacy



## Original Color

66.9582, 0.2682, 0.4307



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

53.1729, 0.2894, 0.3657

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9582, 0.2682, 0.4307 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(84, 240, 166)` looks like.

```
.text, #text, p{  
    color:rgb(84, 240, 166)  
}
```

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(84, 240, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 240, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9582, 0.2682, 0.4307 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(84, 240, 166) }
```

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

```
.border{ border-color:rgb(84, 240, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 240, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 240, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 240, 166);  
box-shadow:4px 4px 4px 4px rgb(84, 240,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9582, 0.2682, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 240, 166) }
```

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

```
.background{ background-color: rgb(84, 240,  
166) }
```

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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