

# Converting Colors

$Yxy(55.0223, 0.2607, 0.3808)$

Have a look what the booklet for  
Yxy(55.0223, 0.2607, 0.3808)  
contains.

<b>Yxy(54.8938, 0.2607, 0.3804)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(54.8938, 0.2607, 0.3804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60D8B4
RGB	96, 216, 180
RGB Percent	38%, 85%, 71%
CMY	0.6234, 0.1529, 0.2941
CMYK	0.56, 0.00, 0.17, 0.15
HSL	162°, 61%, 61%
HSV	162°, 56%, 85%
XYZ	37.6204, 54.8938, 51.7912
YIQ	176.0160, -59.9640, -36.6360

# Conversions

## Conversions Part 2

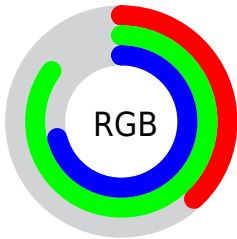
Format	Color
<b>RYB</b>	96, 167, 216
Decimal	6346932
CIELab	78.98, -42.28, 7.64
CIELCh	79, 42.969, 169.762
Yxy	54.8938, 0.2607, 0.3804
Android (android.graphics.Color)	4284537012 (0xFF60D8B4)
YUV	176.0160, 1.9641, -70.1740
Hunter-Lab	74.0904, -39.0222, 10.4179

# Details

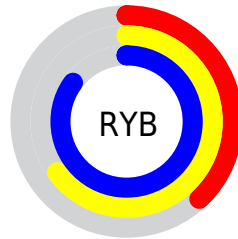
The Yxy color **54.8938, 0.2607, 0.3804** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.6388, 0.4265, 0.2866**, and the grayscale version is **43.4437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5447, 0.2670, 0.3505**, and **26.8681, 0.2466, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **53.6223, 0.2557, 0.3916**, and if you desaturate by 10%, it is **56.5038, 0.2675, 0.3696**.

# Distribution



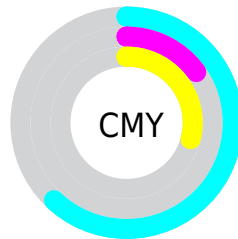
- Red (38%)
- Green (85%)
- Blue (71%)



- Red (38%)
- Yellow (65%)
- Blue (85%)



- Cyan (56%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)




- Cyan (62%)
- Magenta (15%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8938, 0.2607, 0.3804 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 54.8938, 0.2607, 0.3804 by changing the saturation by 10% instead.





 54.8938, 0.2607,  
0.3804


 54.8938, 0.2607,  
0.3804

405.5092, 0.2863,  
0.3547

 39.3167, 0.2545,  
0.3868


 97.3853, 0.2699,  
0.3710


 27.0062, 0.2466,  
0.3951


 125.0686, 0.2734,  
0.3675

 17.5779, 0.2362,  
0.4061


 157.5560, 0.2763,  
0.3646

 10.6474, 0.2221,  
0.4213

 195.2319, 0.2789,  
0.3620

 5.8302, 0.2017,  
0.4440

238.4808, 0.2811,  
0.3598

 2.7421, 0.1703,  
0.4809

287.6871, 0.2830,

 0.9986, 0.0000,

0.3579

0.6455

343.2351, 0.2847,  
0.3562

0.0000, 0.0000,  
0.0000

54.8938, 0.2607,  
0.3804

54.8938, 0.2607,  
0.3804

53.6223, 0.2557,  
0.3916

56.5038, 0.2675,  
0.3696

52.6556, 0.2525,  
0.4030

58.4700, 0.2758,  
0.3594

51.9643, 0.2514,  
0.4145

60.8164, 0.2852,  
0.3499

51.5095, 0.2523,  
0.4258

63.5632, 0.2956,  
0.3411

51.3520, 0.2530,  
0.4309

66.7289, 0.3065,  
0.3331

70.3311, 0.3178,  
0.3259

74.3862, 0.3291,  
0.3195

76.1899, 0.3303,  
0.3132

76.5649, 0.3258,  
0.3069

# Harmonies

## Analogous

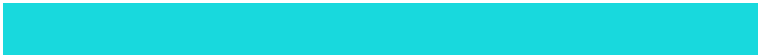
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.8938, 0.3130, 0.4231



54.8938, 0.2607, 0.3804



54.8938, 0.2244, 0.3225

# Triad

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



54.8938, 0.2607, 0.3804



54.8938, 0.2533, 0.2400



54.8938, 0.4264, 0.3685

# Complementary

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



54.8938, 0.2607, 0.3804



24.6388, 0.4265, 0.2866

# 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.



54.8938, 0.4087, 0.3242



54.8938, 0.2607, 0.3804



54.8938, 0.3040, 0.2538

# Square

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



54.8938, 0.2607, 0.3804



54.8938, 0.2209, 0.2459



54.8938, 0.3621, 0.2837



54.8938, 0.4102, 0.4083



# Rectangle

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



54.8938, 0.2607, 0.3804



54.8938, 0.2127, 0.2880



54.8938, 0.3621, 0.2837



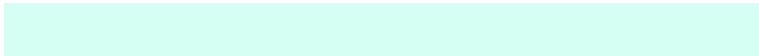
54.8938, 0.4243, 0.3537

# Sweetspot

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



54.8960, 0.2607, 0.3804



91.8753, 0.2939, 0.3425



55.0276, 0.3280, 0.4944



19.4854, 0.2917, 0.3442



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.



54.8960, 0.2607, 0.3804



77.7583, 0.2548, 0.3940



46.0336, 0.2364, 0.2980



14.0414, 0.3022, 0.3361



30.4150, 0.2525, 0.4291



1.8488, 0.2471, 0.4096



# Inverse Universe

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



24.6388, 0.4265, 0.2866



29.3852, 0.4677, 0.2815



28.4085, 0.4618, 0.3554



12.4815, 0.3244, 0.3220



8.8825, 0.5748, 0.2940



0.5503, 0.5250, 0.2666



# Previews

## White Background



This preview shows how the Yxy color 54.8938, 0.2607, 0.3804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

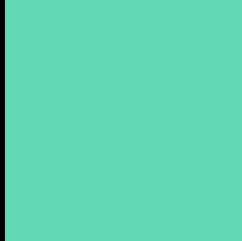
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8938, 0.2607, 0.3804 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

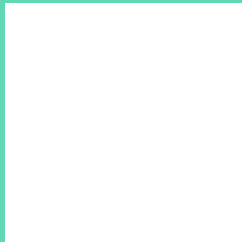
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8938, 0.2607, 0.3804**

## Background



This preview shows how black text looks on a background with the Yxy color 54.8938, 0.2607, 0.3804.

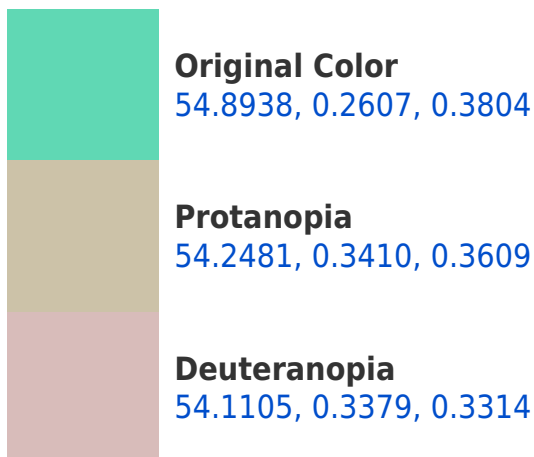


This preview shows how white text looks on a background with the Yxy color 54.8938, 0.2607, 0.3804.

# 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





## Tritanopia

54.9637, 0.2426, 0.3078

# Trichromacy



## Original Color

54.8938, 0.2607, 0.3804



## Protanomaly

53.2189, 0.3055, 0.3689



## Deuteranomaly

52.6195, 0.3026, 0.3472



## Tritanomaly

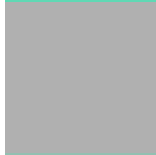
54.7546, 0.2492, 0.3329

# Monochromacy



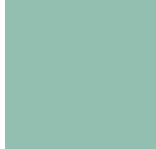
## Original Color

54.8938, 0.2607, 0.3804



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

46.6390, 0.2885, 0.3486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8938, 0.2607, 0.3804 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(96, 216, 180)` looks like.

```
.text, #text, p{  
    color:rgb(96, 216, 180)  
}
```

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(96, 216, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 216, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8938, 0.2607, 0.3804 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(96, 216, 180) }
```

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

```
.border{ border-color:rgb(96, 216, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 216, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 216, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 216, 180);  
box-shadow:4px 4px 4px 4px rgb(96, 216,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8938, 0.2607, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 216, 180) }
```

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

```
.background{ background-color: rgb(96, 216,  
180) }
```

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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