

# Converting Colors

Yxy(53.2844, 0.2027, 0.4137)

Have a look what the booklet for  
Yxy(53.2844, 0.2027, 0.4137)  
contains.

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# Color

**$\text{Yxy}(58.0333, 0.2460, 0.4054)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	01E3AF
RGB	1, 227, 175
RGB Percent	0%, 89%, 69%
CMY	0.9964, 0.1098, 0.3137
CMYK	1.00, 0.00, 0.23, 0.11
HSL	166°, 99%, 45%
HSV	166°, 100%, 89%
XYZ	35.2151, 58.0333, 49.9023
YIQ	153.4980, -118.0040, -64.0840

# Conversions

## Conversions Part 2

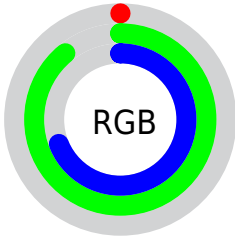
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 129, 227
Decimal	123823
CIELab	80.76, -57.94, 12.62
CIElCh	81, 59.302, 167.710
Yxy	58.0333, 0.2460, 0.4054
Android (android.graphics.Color)	4278313903 (0xFF01E3AF)
YUV	153.4980, 10.6005, -133.7407
Hunter-Lab	76.1796, -50.8002, 14.4871

# Details

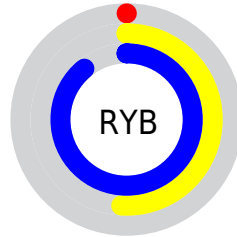
The Yxy color **58.0333, 0.2460, 0.4054** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.6060, 0.6010, 0.3087**, and the grayscale version is **32.0618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5407, 0.2508, 0.3576**, and **30.1795, 0.2502, 0.4206** is the 20% darker color. If you saturate the color by 10%, you get **58.0213, 0.2460, 0.4057**, and if you desaturate by 10%, it is **58.4283, 0.2452, 0.3969**.

# Distribution



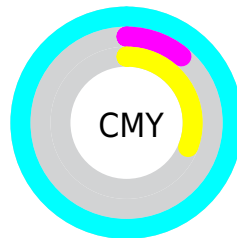
- Red (0%)
- Green (89%)
- Blue (69%)



- Red (0%)
- Yellow (51%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0333, 0.2460, 0.4054 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 58.0333, 0.2460, 0.4054 by changing the saturation by 10% instead.




 58.0333, 0.2460,  
0.4054


 58.0333, 0.2460,  
0.4054


417.3100, 0.2787,  
0.3669


 41.8354, 0.2381,  
0.4150


 101.9714, 0.2577,  
0.3914


 28.9724, 0.2280,  
0.4274


 130.4803, 0.2622,  
0.3861

 19.0600, 0.2149,  
0.4439


 163.8618, 0.2660,  
0.3817

 11.7136, 0.1972,  
0.4669

 202.5001, 0.2692,  
0.3779

 6.5490, 0.1721,  
0.5007

 246.7797, 0.2721,  
0.3746

 3.1817, 0.1343,  
0.5552

297.0849, 0.2746,

 1.2273, 0.0000,

0.3717

0.7477

353.8002, 0.2768,  
0.3692

■ 0.0838, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.0333, 0.2460,  
0.4054

■ 58.0333, 0.2460,  
0.4054

■ 58.0213, 0.2460,  
0.4057

■ 58.4283, 0.2452,  
0.3969

■ 59.0442, 0.2461,  
0.3884

■ 59.9470, 0.2489,  
0.3798

■ 61.1753, 0.2538,  
0.3714

■ 62.7616, 0.2604,  
0.3631

■ 64.7344, 0.2688,  
0.3552

■ 67.1193, 0.2785,  
0.3478

■ 69.9396, 0.2894,  
0.3409

■ 73.2169, 0.3010,  
0.3345

# Harmonies

## Analogous

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



58.0333, 0.3152, 0.4629



58.0333, 0.2460, 0.4054



58.0333, 0.1984, 0.3230

# Triad

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



58.0333, 0.2460, 0.4054



58.0333, 0.2301, 0.2132



58.0333, 0.4654, 0.3723

# Complementary

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



58.0333, 0.2460, 0.4054



16.6060, 0.6010, 0.3087

# 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.



58.0333, 0.4398, 0.3161



58.0333, 0.2460, 0.4054



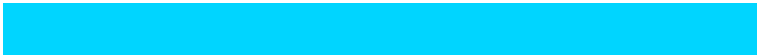
58.0333, 0.2946, 0.2296

# Square

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



58.0333, 0.2460, 0.4054



58.0333, 0.1913, 0.2208



58.0333, 0.3735, 0.2660



58.0333, 0.4438, 0.4270

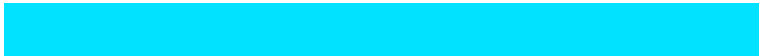


# Rectangle

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



58.0333, 0.2460, 0.4054



58.0333, 0.1831, 0.2755



58.0333, 0.3735, 0.2660



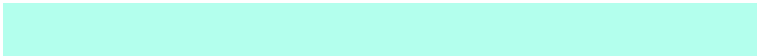
58.0333, 0.4623, 0.3533

# Sweetspot

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



58.0356, 0.2460, 0.4054



87.1825, 0.2779, 0.3482



55.7116, 0.3085, 0.5931



18.3672, 0.2737, 0.3513



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.



58.0356, 0.2460, 0.4054



75.5217, 0.2462, 0.4063



33.0817, 0.1998, 0.2392



16.2767, 0.3012, 0.3345



33.8592, 0.2457, 0.4045



2.5159, 0.2422, 0.3921



# Inverse Universe

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



16.6060, 0.6010, 0.3087



21.5721, 0.6035, 0.3098



19.6912, 0.6052, 0.3572



14.4220, 0.3256, 0.3236



9.6847, 0.5985, 0.3071

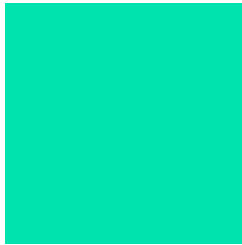


0.7297, 0.5576, 0.2846



# Previews

## White Background



This preview shows how the Yxy color 58.0333, 0.2460, 0.4054 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

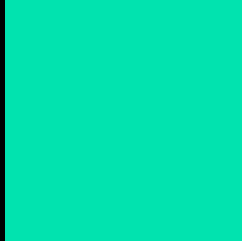
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0333, 0.2460, 0.4054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

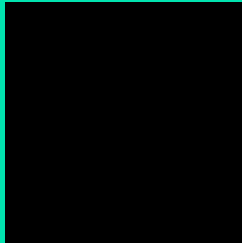
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

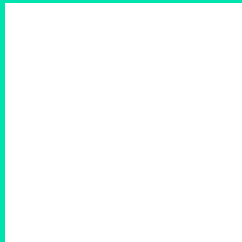
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0333, 0.2460, 0.4054**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0333, 0.2460, 0.4054.

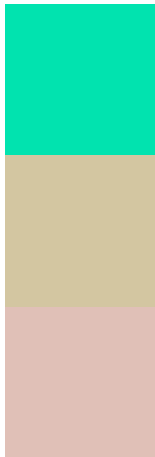


This preview shows how white text looks on a background with the Yxy color 58.0333, 0.2460, 0.4054.

# 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**

58.0398, 0.2460, 0.4054

**Protanopia**

56.8103, 0.3515, 0.3733

**Deuteranopia**

56.9655, 0.3464, 0.3394



## Tritanopia

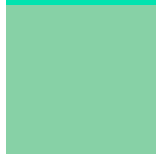
58.1171, 0.2270, 0.3052

# Trichromacy



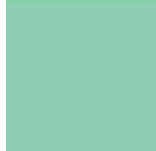
## Original Color

58.0398, 0.2460, 0.4054



## Protanomaly

53.5050, 0.2886, 0.3891



## Deuteranomaly

52.7976, 0.2847, 0.3632



## Tritanomaly

57.6784, 0.2320, 0.3398

# Monochromacy



## Original Color

58.0398, 0.2460, 0.4054



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

37.8124, 0.2643, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0333, 0.2460, 0.4054 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(1, 227, 175)` looks like.

```
.text, #text, p{  
    color:rgb(1, 227, 175)  
}
```

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(1, 227, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 227, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0333, 0.2460, 0.4054 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(1, 227, 175) }
```

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

```
.border{ border-color:rgb(1, 227, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 227, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 227, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 227, 175); box-shadow:4px 4px 4px 4px rgb(1, 227, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0333, 0.2460, 0.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 227, 175) }
```

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

```
.background{ background-color: rgb(1, 227,  
175) }
```

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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