

# Converting Colors

$Y_{xy}(57.5905, 0.2351, 0.3662)$

Have a look what the booklet for  
Yxy(57.5905, 0.2351, 0.3662)  
contains.

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# Color

**Yxy(57.3950, 0.2351, 0.3660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02E0C6
RGB	2, 224, 198
RGB Percent	1%, 88%, 78%
CMY	0.9927, 0.1216, 0.2236
CMYK	0.99, 0.00, 0.12, 0.12
HSL	173°, 98%, 44%
HSV	173°, 99%, 88%
XYZ	36.8677, 57.3950, 62.5543
YIQ	154.6580, -123.9660, -55.1500

# Conversions

## Conversions Part 2

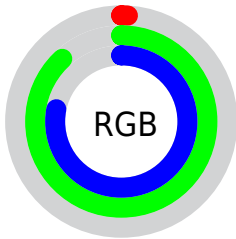
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 120, 224
Decimal	188614
CIELab	80.40, -50.88, -0.05
CIELCh	80, 50.876, 180.061
Yxy	57.3950, 0.2351, 0.3660
Android (android.graphics.Color)	4278378694 (0xFF02E0C6)
YUV	154.6580, 21.3676, -133.8811
Hunter-Lab	75.7595, -45.7137, 4.0761

# Details

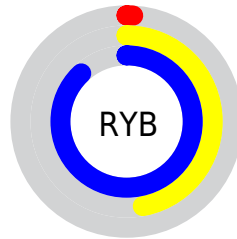
The Yxy color **57.3950, 0.2351, 0.3660** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed cyan. A complement of this color would be **15.9698, 0.6259, 0.3228**, and the grayscale version is **32.5415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **30.0189, 0.2373, 0.3742** is the 20% darker color. If you saturate the color by 10%, you get **57.3752, 0.2351, 0.3663**, and if you desaturate by 10%, it is **57.7046, 0.2354, 0.3620**.

# Distribution



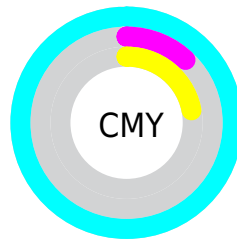
- Red (1%)
- Green (88%)
- Blue (78%)



- Red (1%)
- Yellow (47%)
- Blue (88%)



- Cyan (99%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)




- Cyan (99%)
- Magenta (12%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3950, 0.2351, 0.3660 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 57.3950, 0.2351, 0.3660 by changing the saturation by 10% instead.




 57.3950, 0.2351,  
0.3660


 57.3950, 0.2351,  
0.3660


414.9278, 0.2721,  
0.3484

 41.3225, 0.2264,  
0.3701


 101.0413, 0.2481,  
0.3598


 28.5711, 0.2156,  
0.3753

 129.3839, 0.2532,  
0.3574


 18.7566, 0.2018,  
0.3819


 162.5852, 0.2574,  
0.3554

 11.4946, 0.1835,  
0.3905

 201.0298, 0.2612,  
0.3536

 6.4005, 0.1586,  
0.4024

 245.1019, 0.2644,  
0.3520

 3.0901, 0.1230,  
0.4193

295.1860, 0.2673,

 1.1790, 0.0000,

0.3507

0.4779

351.6665, 0.2698,  
0.3495

■ 0.0444, 0.0000,  
0.4600

■ 0.0000, 0.0000,  
0.0000

■ 57.3950, 0.2351,  
0.3660

■ 57.3950, 0.2351,  
0.3660

■ 57.3752, 0.2351,  
0.3663

■ 57.7046, 0.2354,  
0.3620

■ 58.2275, 0.2374,  
0.3579

■ 59.0248, 0.2412,  
0.3538

■ 60.1332, 0.2469,  
0.3497

■ 61.5839, 0.2546,  
0.3457

■ 63.4044, 0.2640,  
0.3419

■ 65.6192, 0.2749,  
0.3382

■ 68.2507, 0.2870,  
0.3348

■ 71.3197, 0.3001,  
0.3317

# Harmonies

## Analogous

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



57.3950, 0.2900, 0.4272



57.3950, 0.2351, 0.3660



57.3950, 0.2028, 0.2985

# Triad

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



57.3950, 0.2351, 0.3660



57.3950, 0.2618, 0.2304



57.3950, 0.4423, 0.3895

# Complementary

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



57.3950, 0.2351, 0.3660



15.9698, 0.6259, 0.3228

# 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.



57.3950, 0.4364, 0.3394



57.3950, 0.2351, 0.3660



57.3950, 0.3253, 0.2529

# Square

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



57.3950, 0.2351, 0.3660



57.3950, 0.2172, 0.2285



57.3950, 0.3916, 0.2914



57.3950, 0.4106, 0.4322

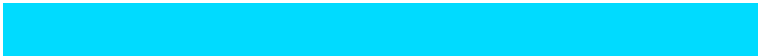


# Rectangle

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



57.3950, 0.2351, 0.3660



57.3950, 0.1960, 0.2636



57.3950, 0.3916, 0.2914



57.3950, 0.4449, 0.3730

# Sweetspot

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



57.3972, 0.2351, 0.3660



87.7008, 0.2737, 0.3386



53.6112, 0.3033, 0.5969



18.4925, 0.2689, 0.3402



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.



57.3972, 0.2351, 0.3660



76.9644, 0.2352, 0.3666



24.9012, 0.1901, 0.2037



15.5433, 0.2997, 0.3317



33.4095, 0.2349, 0.3657



2.3237, 0.2332, 0.3595



# Inverse Universe

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



15.9698, 0.6259, 0.3228



21.3530, 0.6286, 0.3236



22.0836, 0.5791, 0.3776



13.7265, 0.3274, 0.3263



9.2769, 0.6252, 0.3218

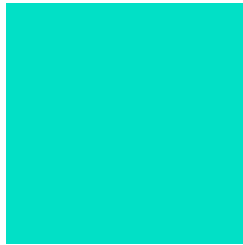


0.6518, 0.5927, 0.3039



# Previews

## White Background



This preview shows how the Yxy color 57.3950, 0.2351, 0.3660 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 57.3950, 0.2351, 0.3660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

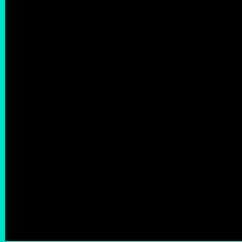
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.3950, 0.2351, 0.3660**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3950, 0.2351, 0.3660.

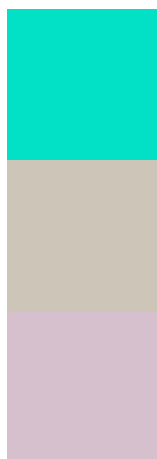


This preview shows how white text looks on a background with the Yxy color 57.3950, 0.2351, 0.3660.

# 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

57.4014, 0.2351, 0.3660

### Protanopia

56.3305, 0.3297, 0.3459

### Deuteranopia

56.4032, 0.3207, 0.3140



## Tritanopia

57.6490, 0.2247, 0.3063

# Trichromacy



## Original Color

57.4014, 0.2351, 0.3660



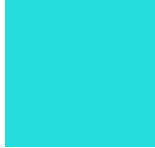
## Protanomaly

53.0818, 0.2726, 0.3550



## Deuteranomaly

52.7684, 0.2675, 0.3315



## Tritanomaly

57.3989, 0.2272, 0.3274

# Monochromacy



## Original Color

57.4014, 0.2351, 0.3660



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

38.2354, 0.2586, 0.3431

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3950, 0.2351, 0.3660 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(2, 224, 198)` looks like.

```
.text, #text, p{  
    color:rgb(2, 224, 198)  
}
```

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(2, 224, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 224, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3950, 0.2351, 0.3660 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(2, 224, 198) }
```

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

```
.border{ border-color:rgb(2, 224, 198) }
```

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

Here you see how a box with a 4 pixel rgb(2, 224, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 224, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 224, 198);  
box-shadow:4px 4px 4px 4px rgb(2, 224,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3950, 0.2351, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 224, 198) }
```

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

```
.background{ background-color: rgb(2, 224,  
198) }
```

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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