

# Converting Colors

$Y_{xy}(57.3439, 0.2264, 0.3623)$

Have a look what the booklet for  
Yxy(57.3439, 0.2264, 0.3623)  
contains.

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# Color

**Yxy(58.1147, 0.2337, 0.3614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E1CA
RGB	0, 225, 202
RGB Percent	0%, 88%, 79%
CMY	1.0000, 0.1176, 0.2079
CMYK	1.00, 0.00, 0.10, 0.12
HSL	174°, 100%, 44%
HSV	174°, 100%, 88%
XYZ	37.5800, 58.1147, 65.1097
YIQ	155.1030, -126.7170, -54.8530

# Conversions

## Conversions Part 2

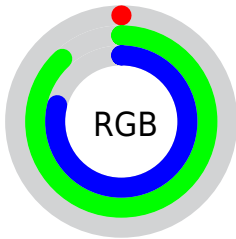
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 119, 225
Decimal	57802
CIELab	80.80, -50.27, -1.60
CIELCh	81, 50.297, 181.818
Yxy	58.1147, 0.2337, 0.3614
Android (android.graphics.Color)	4278247882 (0xFF00E1CA)
YUV	155.1030, 23.1202, -136.0253
Hunter-Lab	76.2330, -45.4140, 2.7242

# Details

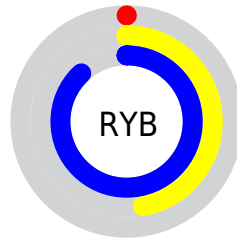
The Yxy color **58.1147, 0.2337, 0.3614** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.0712, 0.6299, 0.3243**, and the grayscale version is **32.7666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **30.5141, 0.2356, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **58.1203, 0.2337, 0.3614**, and if you desaturate by 10%, it is **58.4065, 0.2341, 0.3579**.

# Distribution



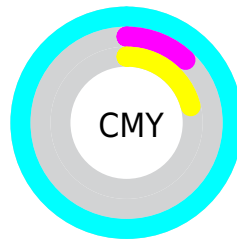
- Red (0%)
- Green (88%)
- Blue (79%)



- Red (0%)
- Yellow (47%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1147, 0.2337, 0.3614 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 58.1147, 0.2337, 0.3614 by changing the saturation by 10% instead.





 58.1147, 0.2337,  
0.3614


 58.1147, 0.2337,  
0.3614


 417.6132, 0.2712,  
0.3462


 41.9009, 0.2250,  
0.3649


 102.0899, 0.2469,  
0.3561

 29.0237, 0.2141,  
0.3692


 130.6200, 0.2519,  
0.3541


 19.0987, 0.2002,  
0.3746


 164.0243, 0.2563,  
0.3523

 11.7416, 0.1821,  
0.3817

 202.6873, 0.2601,  
0.3508

 6.5680, 0.1573,  
0.3911

 246.9933, 0.2634,  
0.3494

 3.1934, 0.1224,  
0.4039

 297.3267, 0.2663,

 1.2335, 0.0000,

0.3482

0.4534

354.0718, 0.2689,  
0.3472

■ 0.0888, 0.0000,  
0.2990

■ 0.0000, 0.0000,  
0.0000

■ 58.1147, 0.2337,  
0.3614

■ 58.1147, 0.2337,  
0.3614

■ 58.1203, 0.2337,  
0.3614

■ 58.4065, 0.2341,  
0.3579

■ 58.8996, 0.2360,  
0.3544

■ 59.6659, 0.2398,  
0.3508

■ 60.7434, 0.2455,  
0.3473

■ 62.1639, 0.2531,  
0.3439

■ 63.9554, 0.2624,  
0.3405

■ 66.1430, 0.2734,  
0.3373

■ 68.7495, 0.2856,  
0.3343

■ 71.7961, 0.2988,  
0.3315

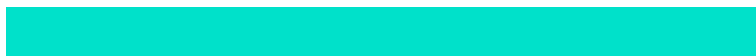
# Harmonies

## Analogous

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



58.1147, 0.2869, 0.4227



58.1147, 0.2337, 0.3614



58.1147, 0.2032, 0.2957

# Triad

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



58.1147, 0.2337, 0.3614



58.1147, 0.2658, 0.2325



58.1147, 0.4395, 0.3916

# Complementary

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



58.1147, 0.2337, 0.3614



16.0712, 0.6299, 0.3243

# 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.



58.1147, 0.4359, 0.3423



58.1147, 0.2337, 0.3614



58.1147, 0.3291, 0.2558

# Square

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



58.1147, 0.2337, 0.3614



58.1147, 0.2205, 0.2293



58.1147, 0.3938, 0.2946



58.1147, 0.4066, 0.4327

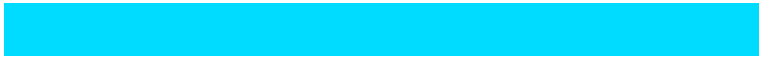


# Rectangle

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



58.1147, 0.2337, 0.3614



58.1147, 0.1976, 0.2622



58.1147, 0.3938, 0.2946



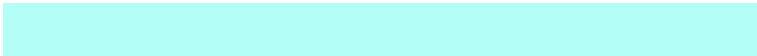
58.1147, 0.4428, 0.3755

# Sweetspot

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



58.1203, 0.2337, 0.3614



87.7704, 0.2731, 0.3374



54.0792, 0.3025, 0.5980



18.5094, 0.2683, 0.3387



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.



58.1203, 0.2337, 0.3614



77.1725, 0.2338, 0.3616



23.8317, 0.1879, 0.1965



15.5469, 0.2995, 0.3314



33.4981, 0.2336, 0.3609



2.3290, 0.2321, 0.3554



# Inverse Universe

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



16.0712, 0.6299, 0.3243



21.3350, 0.6308, 0.3248



22.7055, 0.5765, 0.3805



13.7232, 0.3276, 0.3266



9.2679, 0.6276, 0.3231

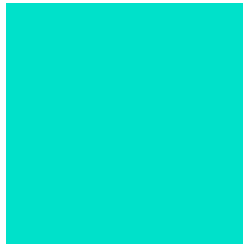


0.6502, 0.5982, 0.3069



# Previews

## White Background



This preview shows how the Yxy color 58.1147, 0.2337, 0.3614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

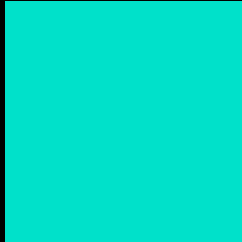
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1147, 0.2337, 0.3614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

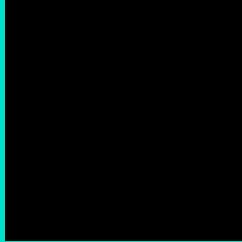
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.1147, 0.2337, 0.3614**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1147, 0.2337, 0.3614.

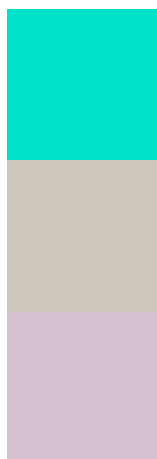


This preview shows how white text looks on a background with the Yxy color 58.1147, 0.2337, 0.3614.

# 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

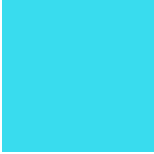
58.1147, 0.2337, 0.3614

### Protanopia

56.9552, 0.3265, 0.3422

### Deuteranopia

57.0395, 0.3176, 0.3107



## **Tritanopia**

58.2293, 0.2238, 0.3052

# Trichromacy



## Original Color

58.1147, 0.2337, 0.3614



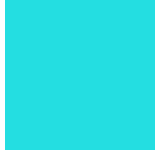
## Protanomaly

53.6633, 0.2698, 0.3508



## Deuteranomaly

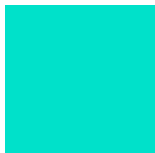
53.3531, 0.2647, 0.3275



## Tritanomaly

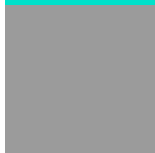
58.0539, 0.2262, 0.3247

# Monochromacy



## Original Color

58.1147, 0.2337, 0.3614



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

38.2737, 0.2580, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1147, 0.2337, 0.3614 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(0, 225, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 202)  
}
```

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(0, 225, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1147, 0.2337, 0.3614 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(0, 225, 202) }
```

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

```
.border{ border-color:rgb(0, 225, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1147, 0.2337, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 202) }
```

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

```
.background{ background-color: rgb(0, 225,  
202) }
```

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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