

# Converting Colors

Yxy(59.4243, 0.2323, 0.3564)

Have a look what the booklet for  
Yxy(59.4243, 0.2323, 0.3564)  
contains.

<b>Yxy(59.4432, 0.2324, 0.3567)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(59.4432, 0.2324, 0.3567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E3CF
RGB	0, 227, 207
RGB Percent	0%, 89%, 81%
CMY	1.0000, 0.1098, 0.1882
CMYK	1.00, 0.00, 0.09, 0.11
HSL	175°, 100%, 45%
HSV	175°, 100%, 89%
XYZ	38.7289, 59.4432, 68.4755
YIQ	156.8470, -128.8720, -54.3440

# Conversions

## Conversions Part 2

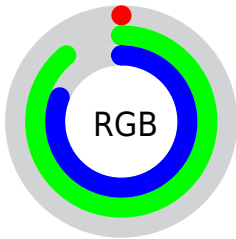
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 119, 227
Decimal	58319
CIELab	81.53, -49.73, -3.19
CIELCh	82, 49.827, 183.669
Yxy	59.4432, 0.2324, 0.3567
Android (android.graphics.Color)	4278248399 (0xFF00E3CF)
YUV	156.8470, 24.7254, -137.5548
Hunter-Lab	77.0994, -45.2591, 1.3114

# Details

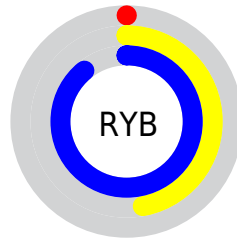
The Yxy color **59.4432, 0.2324, 0.3567** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.3826, 0.6319, 0.3255**, and the grayscale version is **33.5777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **31.4257, 0.2338, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **59.4482, 0.2324, 0.3567**, and if you desaturate by 10%, it is **59.7253, 0.2329, 0.3537**.

# Distribution



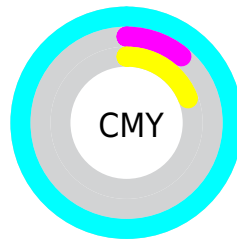
- Red (0%)
- Green (89%)
- Blue (81%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4432, 0.2324, 0.3567 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 59.4432, 0.2324, 0.3567 by changing the saturation by 10% instead.





 59.4432, 0.2324,  
0.3567


 59.4432, 0.2324,  
0.3567


422.5424, 0.2703,  
0.3440

 42.9700, 0.2236,  
0.3595


 104.0215, 0.2456,  
0.3523

 29.8616, 0.2128,  
0.3630


 132.8955, 0.2508,  
0.3506

 19.7335, 0.1990,  
0.3673


 166.6717, 0.2552,  
0.3491

 12.2015, 0.1810,  
0.3727

 205.7348, 0.2590,  
0.3479

 6.8811, 0.1567,  
0.3797

 250.4690, 0.2623,  
0.3467

 3.3878, 0.1227,  
0.3885

301.2587, 0.2653,

 1.3374, 0.0000,

0.3457

0.4304

358.4884, 0.2679,  
0.3448

■ 0.1699, 0.0000,  
0.2940

■ 0.0000, 0.0000,  
0.0000

■ 59.4432, 0.2324,  
0.3567

■ 59.4432, 0.2324,  
0.3567

■ 59.4482, 0.2324,  
0.3567

■ 59.7253, 0.2329,  
0.3537

■ 60.2133, 0.2349,  
0.3507

■ 60.9798, 0.2388,  
0.3477

■ 62.0635, 0.2446,  
0.3447

■ 63.4970, 0.2523,  
0.3417

■ 65.3088, 0.2617,  
0.3389

■ 67.5246, 0.2728,  
0.3361

■ 70.1677, 0.2852,  
0.3336

■ 73.2598, 0.2986,  
0.3312

# Harmonies

## Analogous

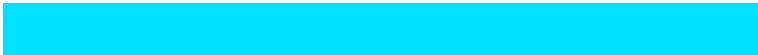
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.4432, 0.2837, 0.4180



59.4432, 0.2324, 0.3567



59.4432, 0.2039, 0.2929

# Triad

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



59.4432, 0.2324, 0.3567



59.4432, 0.2701, 0.2348



59.4432, 0.4364, 0.3937

# Complementary

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



59.4432, 0.2324, 0.3567



16.3826, 0.6319, 0.3255

# 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.



59.4432, 0.4352, 0.3453



59.4432, 0.2324, 0.3567



59.4432, 0.3330, 0.2588

# Square

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



59.4432, 0.2324, 0.3567



59.4432, 0.2240, 0.2304



59.4432, 0.3959, 0.2979



59.4432, 0.4023, 0.4330



# Rectangle

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



59.4432, 0.2324, 0.3567



59.4432, 0.1993, 0.2609



59.4432, 0.3959, 0.2979



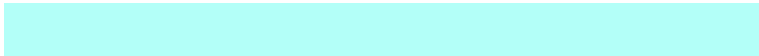
59.4432, 0.4404, 0.3780

# Sweetspot

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



59.4482, 0.2324, 0.3567



87.8380, 0.2726, 0.3362



55.1209, 0.3020, 0.5984



18.5258, 0.2677, 0.3373



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.



59.4482, 0.2324, 0.3567



77.3774, 0.2325, 0.3569



23.2124, 0.1863, 0.1905



16.3134, 0.2993, 0.3311



34.6767, 0.2323, 0.3562



2.5690, 0.2311, 0.3519



# Inverse Universe

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



16.3826, 0.6319, 0.3255



21.3197, 0.6326, 0.3259



23.7806, 0.5719, 0.3841



14.3885, 0.3279, 0.3270



9.5608, 0.6299, 0.3244

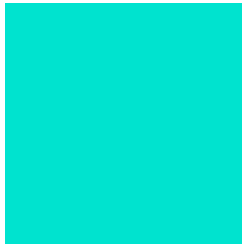


0.7136, 0.6051, 0.3107



# Previews

## White Background



This preview shows how the Yxy color 59.4432, 0.2324, 0.3567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

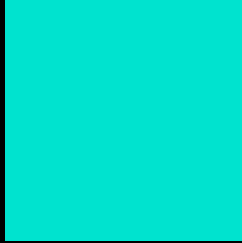
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4432, 0.2324, 0.3567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

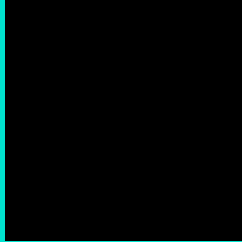
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

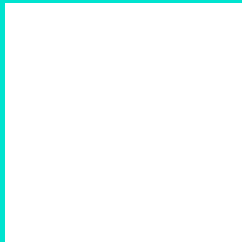
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.4432, 0.2324, 0.3567**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4432, 0.2324, 0.3567.

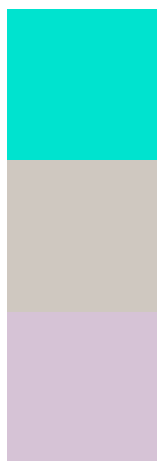


This preview shows how white text looks on a background with the Yxy color 59.4432, 0.2324, 0.3567.

# 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

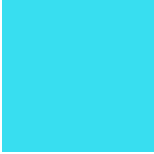
59.4432, 0.2324, 0.3567

### Protanopia

58.3797, 0.3241, 0.3385

### Deuteranopia

58.1814, 0.3137, 0.3074



## **Tritanopia**

59.3746, 0.2236, 0.3053

# Trichromacy



## Original Color

59.4432, 0.2324, 0.3567



## Protanomaly

55.0299, 0.2684, 0.3464



## Deuteranomaly

54.5630, 0.2623, 0.3236



## Tritanomaly

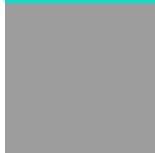
59.2878, 0.2257, 0.3234

# Monochromacy



## Original Color

59.4432, 0.2324, 0.3567



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

39.2604, 0.2572, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4432, 0.2324, 0.3567 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, 227, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 207)  
}
```

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, 227, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4432, 0.2324, 0.3567 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, 227, 207) }
```

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

```
.border{ border-color:rgb(0, 227, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4432, 0.2324, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 207) }
```

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

```
.background{ background-color: rgb(0, 227,  
207) }
```

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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