

Converting Colors

$Y_{xy}(59.3301, 0.2332, 0.3595)$

Have a look what the booklet for
Yxy(59.3301, 0.2332, 0.3595)
contains.

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Color

Yxy(59.3459, 0.2332, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	00E3CD
RGB	0, 227, 205
RGB Percent	0%, 89%, 80%
CMY	1.0000, 0.1098, 0.1960
CMYK	1.00, 0.00, 0.10, 0.11
HSL	174°, 100%, 45%
HSV	174°, 100%, 89%
XYZ	38.4857, 59.3459, 67.2015
YIQ	156.6190, -128.2300, -54.9660

Conversions

Conversions Part 2

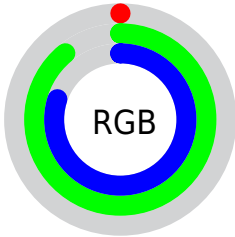
Format	Color
RYB	0, 119, 227
Decimal	58317
CIELab	81.48, -50.27, -2.21
CIELCh	81, 50.322, 182.518
Yxy	59.3459, 0.2332, 0.3596
Android (android.graphics.Color)	4278248397 (0xFF00E3CD)
YUV	156.6190, 23.8518, -137.3549
Hunter-Lab	77.0363, -45.6386, 2.2046

Details

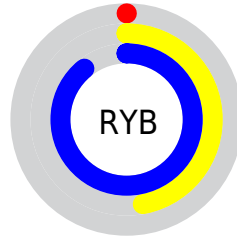
The Yxy color **59.3459, 0.2332, 0.3596** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.3900, 0.6307, 0.3248**, and the grayscale version is **33.4745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **31.3602, 0.2349, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **59.3516, 0.2332, 0.3596**, and if you desaturate by 10%, it is **59.6372, 0.2337, 0.3563**.

Distribution



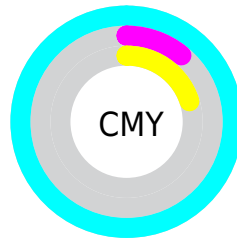
- Red (0%)
- Green (89%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3459, 0.2332, 0.3596 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 59.3459, 0.2332, 0.3596 by changing the saturation by 10% instead.


 59.3459, 0.2332,
0.3596


 59.3459, 0.2332,
0.3596


422.1826, 0.2708,
0.3454


 42.8916, 0.2245,
0.3628


 103.8802, 0.2463,
0.3547


 29.8001, 0.2137,
0.3668


 132.7291, 0.2514,
0.3528


 19.6869, 0.2000,
0.3717


 166.4782, 0.2558,
0.3511

 12.1677, 0.1820,
0.3781

 205.5121, 0.2596,
0.3497

 6.8580, 0.1577,
0.3865

 250.2151, 0.2629,
0.3484

 3.3734, 0.1235,
0.3976

300.9715, 0.2658,

 1.3297, 0.0000,

0.3473

0.4447

358.1659, 0.2684,
0.3463

■ 0.1640, 0.0000,
0.3299

■ 0.0000, 0.0000,
0.0000

■ 59.3459, 0.2332,
0.3596

■ 59.3459, 0.2332,
0.3596

■ 59.3516, 0.2332,
0.3596

■ 59.6372, 0.2337,
0.3563

■ 60.1340, 0.2356,
0.3530

■ 60.9095, 0.2394,
0.3496

■ 62.0025, 0.2451,
0.3463

■ 63.4455, 0.2527,
0.3430

■ 65.2671, 0.2622,
0.3399

■ 67.4930, 0.2731,
0.3369

■ 70.1465, 0.2854,
0.3340

■ 73.2491, 0.2987,
0.3314

Harmonies

Analogous

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



59.3459, 0.2856, 0.4210



59.3459, 0.2332, 0.3596



59.3459, 0.2035, 0.2946

Triad

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



59.3459, 0.2332, 0.3596



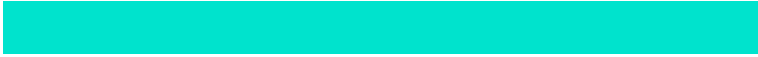
59.3459, 0.2675, 0.2334



59.3459, 0.4383, 0.3924

Complementary

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



59.3459, 0.2332, 0.3596



16.3900, 0.6307, 0.3248

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.



59.3459, 0.4357, 0.3434



59.3459, 0.2332, 0.3596



59.3459, 0.3306, 0.2569

Square

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



59.3459, 0.2332, 0.3596



59.3459, 0.2218, 0.2297



59.3459, 0.3946, 0.2958



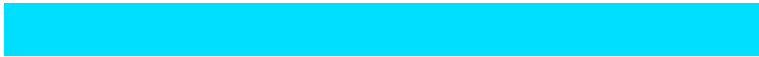
59.3459, 0.4049, 0.4328

Rectangle

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



59.3459, 0.2332, 0.3596



59.3459, 0.1982, 0.2617



59.3459, 0.3946, 0.2958



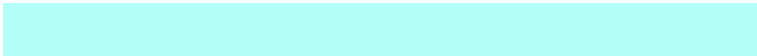
59.3459, 0.4419, 0.3765

Sweetspot

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



59.3516, 0.2332, 0.3596



87.7963, 0.2729, 0.3369



55.1211, 0.3020, 0.5984



18.5156, 0.2681, 0.3382



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.



59.3516, 0.2332, 0.3596



77.2507, 0.2333, 0.3598



23.2125, 0.1863, 0.1905



16.3111, 0.2994, 0.3313



34.6210, 0.2331, 0.3591



2.5654, 0.2317, 0.3543

Inverse Universe

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



16.3900, 0.6307, 0.3248



21.3289, 0.6315, 0.3252



23.7807, 0.5719, 0.3841



14.3905, 0.3277, 0.3268



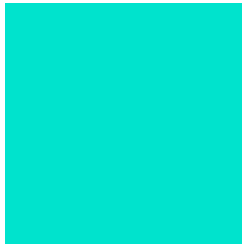
9.5656, 0.6286, 0.3237



0.7146, 0.6019, 0.3089

Previews

White Background



This preview shows how the Yxy color 59.3459, 0.2332, 0.3596 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 59.3459, 0.2332, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

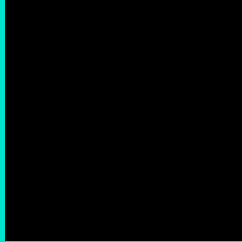
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

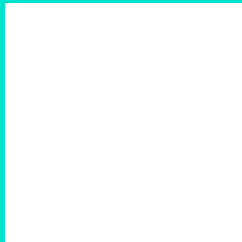
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.3459, 0.2332, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 59.3459, 0.2332, 0.3596.

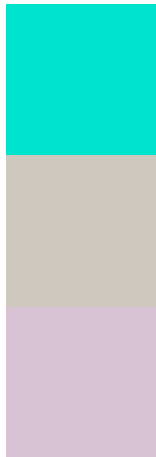


This preview shows how white text looks on a background with the Yxy color 59.3459, 0.2332, 0.3596.

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

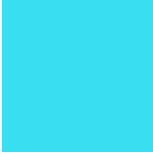
59.3459, 0.2332, 0.3596

Protanopia

58.2917, 0.3256, 0.3409

Deuteranopia

58.2308, 0.3160, 0.3097



Tritanopia

59.4037, 0.2238, 0.3053

Trichromacy



Original Color

59.3459, 0.2332, 0.3596



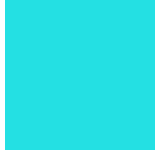
Protanomaly

54.9389, 0.2695, 0.3492



Deuteranomaly

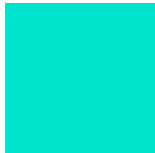
54.5475, 0.2640, 0.3262



Tritanomaly

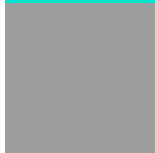
59.2324, 0.2261, 0.3247

Monochromacy



Original Color

59.3459, 0.2332, 0.3596



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.2212, 0.2578, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3459, 0.2332, 0.3596 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 205) }
```

Border

The CSS property to change the border of an element to Yxy 59.3459, 0.2332, 0.3596 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, 205) }
```

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

```
.border{ border-color:rgb(0, 227, 205) }
```

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, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3459, 0.2332, 0.3596 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, 205) }
```

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

```
.background{ background-color: rgb(0, 227,  
205) }
```

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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