

Converting Colors

$Yxy(58.1148, 0.2308, 0.3508)$

Have a look what the booklet for
Yxy(58.1148, 0.2308, 0.3508)
contains.

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Color

Yxy(57.9148, 0.2305, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	00E0D1
RGB	0, 224, 209
RGB Percent	0%, 88%, 82%
CMY	1.0000, 0.1215, 0.1804
CMYK	1.00, 0.00, 0.07, 0.12
HSL	176°, 100%, 44%
HSV	176°, 100%, 88%
XYZ	38.1628, 57.9148, 69.4878
YIQ	155.3140, -128.6890, -52.1530

Conversions

Conversions Part 2

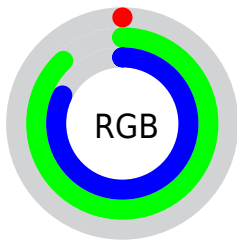
Format	Color
RYB	0, 116, 224
Decimal	57553
CIELab	80.69, -47.91, -5.48
CIELCh	81, 48.218, 186.529
Yxy	57.9148, 0.2305, 0.3498
Android (android.graphics.Color)	4278247633 (0xFF00E0D1)
YUV	155.3140, 26.4672, -136.2104
Hunter-Lab	76.1018, -43.6655, -0.8659

Details

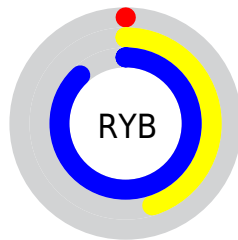
The Yxy color **57.9148, 0.2305, 0.3498** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.8826, 0.6343, 0.3268**, and the grayscale version is **32.8491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **30.3718, 0.2313, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **57.9176, 0.2305, 0.3498**, and if you desaturate by 10%, it is **58.1674, 0.2312, 0.3476**.

Distribution



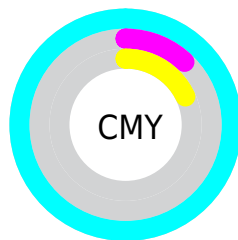
- Red (0%)
- Green (88%)
- Blue (82%)



- Red (0%)
- Yellow (45%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9148, 0.2305, 0.3498 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 57.9148, 0.2305, 0.3498 by changing the saturation by 10% instead.

 57.9148, 0.2305,
0.3498


 57.9148, 0.2305,
0.3498


 416.8684, 0.2693,
0.3406

 41.7402, 0.2215,
0.3518


 101.7988, 0.2441,
0.3467

 28.8979, 0.2104,
0.3541


 130.2769, 0.2493,
0.3455

 19.0036, 0.1963,
0.3569


 163.6250, 0.2538,
0.3444

 11.6729, 0.1779,
0.3602

 202.2274, 0.2577,
0.3435

 6.5213, 0.1531,
0.3640

 246.4685, 0.2612,
0.3426

 3.1646, 0.1184,
0.3678

 296.7328, 0.2642,

 1.2183, 0.0000,

0.3419

0.3959

353.4046, 0.2669,
0.3412

■ 0.0765, 0.0000,
0.1409

■ 0.0000, 0.0000,
0.0000

■ 57.9148, 0.2305,
0.3498

■ 57.9148, 0.2305,
0.3498

■ 57.9176, 0.2305,
0.3498

■ 58.1674, 0.2312,
0.3476

■ 58.6210, 0.2334,
0.3453

■ 59.3442, 0.2374,
0.3431

■ 60.3743, 0.2433,
0.3408

■ 61.7429, 0.2512,
0.3386

■ 63.4778, 0.2608,
0.3364

■ 65.6035, 0.2721,
0.3344

■ 68.1429, 0.2846,
0.3324

■ 71.1166, 0.2983,
0.3306

Harmonies

Analogous

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



57.9148, 0.2790, 0.4110



57.9148, 0.2305, 0.3498



57.9148, 0.2048, 0.2888

Triad

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



57.9148, 0.2305, 0.3498



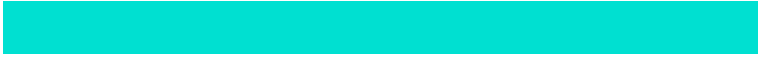
57.9148, 0.2764, 0.2382



57.9148, 0.4318, 0.3969

Complementary

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



57.9148, 0.2305, 0.3498



15.8826, 0.6343, 0.3268

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.



57.9148, 0.4341, 0.3498



57.9148, 0.2305, 0.3498



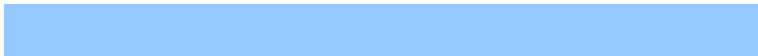
57.9148, 0.3388, 0.2634

Square

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



57.9148, 0.2305, 0.3498



57.9148, 0.2293, 0.2319



57.9148, 0.3989, 0.3028



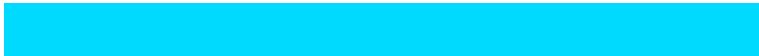
57.9148, 0.3959, 0.4334

Rectangle

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



57.9148, 0.2305, 0.3498



57.9148, 0.2019, 0.2589



57.9148, 0.3989, 0.3028



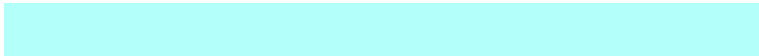
57.9148, 0.4368, 0.3817

Sweetspot

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



57.9176, 0.2305, 0.3498



87.9386, 0.2718, 0.3344



53.4492, 0.3016, 0.5988



18.5502, 0.2669, 0.3353



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.



57.9176, 0.2305, 0.3498



77.6883, 0.2306, 0.3500



21.5261, 0.1846, 0.1846



15.5557, 0.2991, 0.3306



33.7173, 0.2304, 0.3495



2.3419, 0.2295, 0.3460

Inverse Universe

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



15.8826, 0.6343, 0.3268



21.3007, 0.6350, 0.3272



23.7359, 0.5670, 0.3880



13.7153, 0.3282, 0.3275



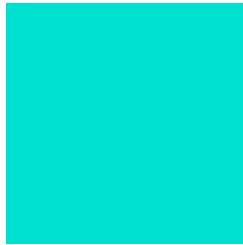
9.2503, 0.6326, 0.3258



0.6465, 0.6118, 0.3144

Previews

White Background



This preview shows how the Yxy color 57.9148, 0.2305, 0.3498 looks on a white background.

Color Contrast Check

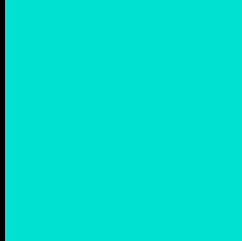
Large Text (above 18pt) WCAG AA × Fail

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 57.9148, 0.2305, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

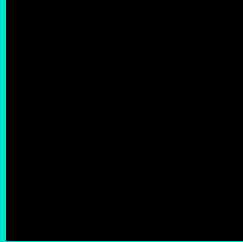
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.9148, 0.2305, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 57.9148, 0.2305, 0.3498.

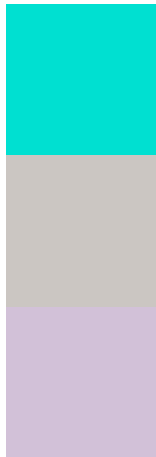


This preview shows how white text looks on a background with the Yxy color 57.9148, 0.2305, 0.3498.

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

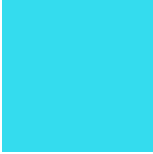
57.9148, 0.2305, 0.3498

Protanopia

56.9797, 0.3196, 0.3338

Deuteranopia

56.7994, 0.3092, 0.3026



Tritanopia

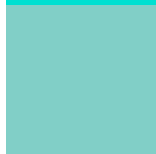
58.0895, 0.2229, 0.3051

Trichromacy



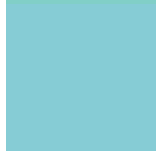
Original Color

57.9148, 0.2305, 0.3498



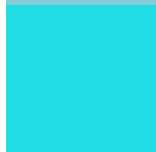
Protanomaly

53.4163, 0.2650, 0.3397



Deuteranomaly

53.0582, 0.2595, 0.3170



Tritanomaly

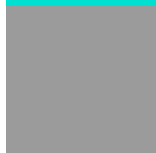
57.5823, 0.2247, 0.3206

Monochromacy



Original Color

57.9148, 0.2305, 0.3498



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.3903, 0.2561, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9148, 0.2305, 0.3498 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, 224, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 209)  
}
```

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, 224, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 209) }
```

Border

The CSS property to change the border of an element to Yxy 57.9148, 0.2305, 0.3498 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, 224, 209) }
```

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

```
.border{ border-color:rgb(0, 224, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9148, 0.2305, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 209) }
```

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

```
.background{ background-color: rgb(0, 224,  
209) }
```

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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