

Converting Colors

$Yxy(57.8434, 0.2330, 0.3589)$

Have a look what the booklet for
Yxy(57.8434, 0.2330, 0.3589)
contains.

Yxy(57.6231, 0.2329, 0.3586)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.6231, 0.2329, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	00E0CB
RGB	0, 224, 203
RGB Percent	0%, 88%, 80%
CMY	1.0000, 0.1215, 0.2040
CMYK	1.00, 0.00, 0.09, 0.12
HSL	174°, 100%, 44%
HSV	174°, 100%, 88%
XYZ	37.4245, 57.6231, 65.6415
YIQ	154.6300, -126.7630, -54.0190

Conversions

Conversions Part 2

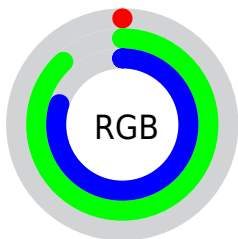
Format	Color
RYB	0, 118, 224
Decimal	57547
CIELab	80.53, -49.60, -2.53
CIELCh	81, 49.663, 182.915
Yxy	57.6231, 0.2329, 0.3586
Android (android.graphics.Color)	4278247627 (0xFF00E0CB)
YUV	154.6300, 23.8464, -135.6105
Hunter-Lab	75.9099, -44.8396, 1.8671

Details

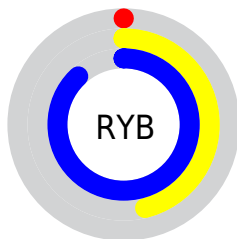
The Yxy color **57.6231, 0.2329, 0.3586** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.9042, 0.6310, 0.3250**, and the grayscale version is **32.5449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **30.1752, 0.2345, 0.3643** is the 20% darker color. If you saturate the color by 10%, you get **57.6315, 0.2330, 0.3586**, and if you desaturate by 10%, it is **57.9076, 0.2334, 0.3554**.

Distribution



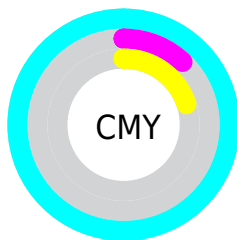
- Red (0%)
- Green (88%)
- Blue (80%)



- Red (0%)
- Yellow (46%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6231, 0.2329, 0.3586 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 57.6231, 0.2329, 0.3586 by changing the saturation by 10% instead.


 57.6231, 0.2329,
0.3586

 57.6231, 0.2329,
0.3586


415.7801, 0.2708,
0.3448

 41.5057, 0.2241,
0.3617


 101.3738, 0.2462,
0.3538


 28.7145, 0.2131,
0.3656


 129.7759, 0.2513,
0.3520


 18.8649, 0.1991,
0.3704


 163.0417, 0.2557,
0.3504

 11.5727, 0.1808,
0.3765

 201.5556, 0.2595,
0.3490

 6.4534, 0.1559,
0.3846

 245.7020, 0.2629,
0.3478

 3.1227, 0.1207,
0.3952

295.8653, 0.2658,

 1.1961, 0.0000,

0.3467

0.4387

352.4298, 0.2684,
0.3457

■ 0.0585, 0.0000,
0.1959

■ 0.0000, 0.0000,
0.0000

■ 57.6231, 0.2329,
0.3586

■ 57.6231, 0.2329,
0.3586

■ 57.6315, 0.2330,
0.3586

■ 57.9076, 0.2334,
0.3554

■ 58.3882, 0.2354,
0.3522

■ 59.1390, 0.2392,
0.3490

■ 60.1975, 0.2449,
0.3458

■ 61.5952, 0.2526,
0.3426

■ 63.3598, 0.2620,
0.3395

■ 65.5161, 0.2730,
0.3366

■ 68.0867, 0.2854,
0.3339

■ 71.0925, 0.2987,
0.3313

Harmonies

Analogous

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



57.6231, 0.2850, 0.4200



57.6231, 0.2329, 0.3586



57.6231, 0.2036, 0.2940

Triad

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



57.6231, 0.2329, 0.3586



57.6231, 0.2683, 0.2338



57.6231, 0.4377, 0.3929

Complementary

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



57.6231, 0.2329, 0.3586



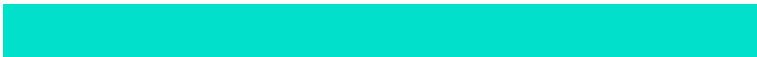
15.9042, 0.6310, 0.3250

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.



57.6231, 0.4355, 0.3441



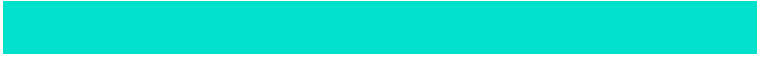
57.6231, 0.2329, 0.3586



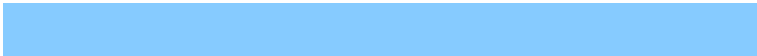
57.6231, 0.3314, 0.2576

Square

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



57.6231, 0.2329, 0.3586



57.6231, 0.2225, 0.2299



57.6231, 0.3951, 0.2965



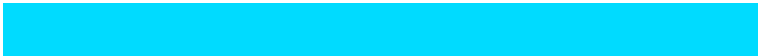
57.6231, 0.4040, 0.4329

Rectangle

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



57.6231, 0.2329, 0.3586



57.6231, 0.1986, 0.2614



57.6231, 0.3951, 0.2965



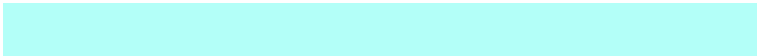
57.6231, 0.4414, 0.3770

Sweetspot

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



57.6315, 0.2330, 0.3586



87.8103, 0.2728, 0.3367



53.4954, 0.3020, 0.5984



18.5190, 0.2680, 0.3379



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.



57.6315, 0.2330, 0.3586



77.2931, 0.2330, 0.3588



22.5465, 0.1863, 0.1906



15.5490, 0.2994, 0.3312



33.5494, 0.2328, 0.3581



2.3320, 0.2314, 0.3532

Inverse Universe

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



15.9042, 0.6310, 0.3250



21.3257, 0.6319, 0.3255



23.0961, 0.5718, 0.3842



13.7213, 0.3277, 0.3268



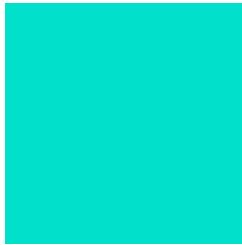
9.2633, 0.6289, 0.3238



0.6493, 0.6014, 0.3087

Previews

White Background



This preview shows how the Yxy color 57.6231, 0.2329, 0.3586 looks on a white background.

Color Contrast Check

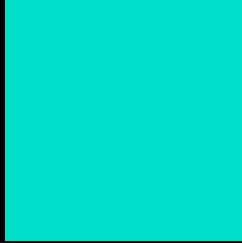
Large Text (above 18pt) WCAG AA × Fail

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 57.6231, 0.2329, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

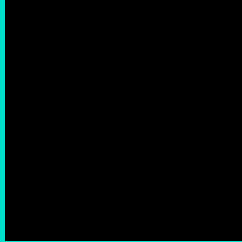
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

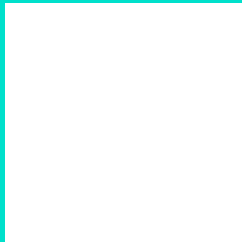
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.6231, 0.2329, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 57.6231, 0.2329, 0.3586.

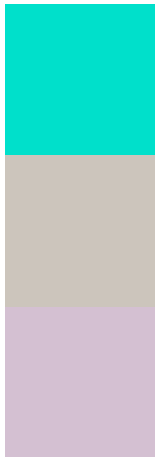


This preview shows how white text looks on a background with the Yxy color 57.6231, 0.2329, 0.3586.

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

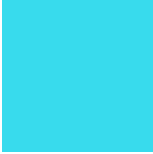
57.6231, 0.2329, 0.3586

Protanopia

56.4007, 0.3250, 0.3398

Deuteranopia

56.3495, 0.3153, 0.3083



Tritanopia

57.6182, 0.2237, 0.3050

Trichromacy



Original Color

57.6231, 0.2329, 0.3586



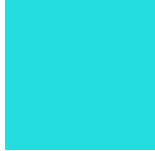
Protanomaly

53.2217, 0.2691, 0.3480



Deuteranomaly

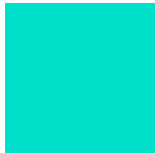
52.8416, 0.2634, 0.3249



Tritanomaly

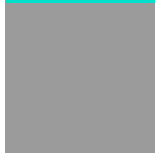
57.5242, 0.2258, 0.3233

Monochromacy



Original Color

57.6231, 0.2329, 0.3586



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 57.6231, 0.2329, 0.3586 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 203) }
```

Border

The CSS property to change the border of an element to Yxy 57.6231, 0.2329, 0.3586 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, 203) }
```

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

```
.border{ border-color:rgb(0, 224, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6231, 0.2329, 0.3586 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, 203) }
```

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

```
.background{ background-color: rgb(0, 224,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor