

Converting Colors

$Y_{xy}(57.1469, 0.2270, 0.3457)$

Have a look what the booklet for
Yxy(57.1469, 0.2270, 0.3457)
contains.

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Color

Yxy(57.4785, 0.2293, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	00DFD3
RGB	0, 223, 211
RGB Percent	0%, 87%, 83%
CMY	1.0000, 0.1254, 0.1726
CMYK	1.00, 0.00, 0.05, 0.13
HSL	177°, 100%, 44%
HSV	177°, 100%, 87%
XYZ	38.1361, 57.4785, 70.7006
YIQ	154.9550, -129.0560, -51.0080

Conversions

Conversions Part 2

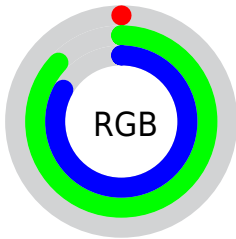
Format	Color
RYB	0, 115, 223
Decimal	57299
CIELab	80.45, -46.94, -6.90
CIELCh	80, 47.447, 188.360
Yxy	57.4785, 0.2293, 0.3456
Android (android.graphics.Color)	4278247379 (0xFF00DFD3)
YUV	154.9550, 27.6302, -135.8955
Hunter-Lab	75.8146, -42.8869, -2.2204

Details

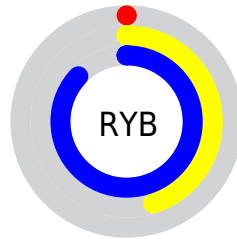
The Yxy color **57.4785, 0.2293, 0.3456** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.7170, 0.6355, 0.3275**, and the grayscale version is **32.6788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **30.0718, 0.2298, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **57.4857, 0.2293, 0.3456**, and if you desaturate by 10%, it is **57.7203, 0.2302, 0.3438**.

Distribution



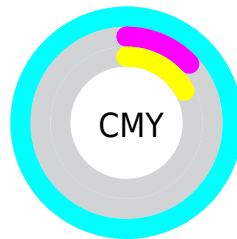
- Red (0%)
- Green (87%)
- Blue (83%)



- Red (0%)
- Yellow (45%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.4785, 0.2293, 0.3456 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 57.4785, 0.2293, 0.3456 by changing the saturation by 10% instead.


 57.4785, 0.2293,
0.3456

 57.4785, 0.2293,
0.3456

415.2399, 0.2686,
0.3385

 41.3895, 0.2202,
0.3470


 101.1630, 0.2430,
0.3433

 28.6236, 0.2090,
0.3486


 129.5274, 0.2484,
0.3424


 18.7963, 0.1947,
0.3505


 162.7524, 0.2529,
0.3415

 11.5232, 0.1761,
0.3525

 201.2223, 0.2569,
0.3408

 6.4199, 0.1511,
0.3544

 245.3217, 0.2604,
0.3401

 3.1020, 0.1164,
0.3551

295.4348, 0.2634,

 1.1852, 0.0000,

0.3395

351.9461, 0.2662,
0.3390

0.3757

0.0496, 0.0000,
0.0846

0.0000, 0.0000,
0.0000

57.4785, 0.2293,
0.3456

57.4785, 0.2293,
0.3456

57.4857, 0.2293,
0.3456

57.7203, 0.2302,
0.3438

58.1562, 0.2324,
0.3420

58.8587, 0.2365,
0.3402

59.8647, 0.2425,
0.3384

61.2056, 0.2505,
0.3367

62.9086, 0.2602,
0.3349

64.9982, 0.2716,
0.3333

67.4968, 0.2843,
0.3318

70.4250, 0.2981,
0.3303

Harmonies

Analogous

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



57.4785, 0.2761, 0.4067



57.4785, 0.2293, 0.3456



57.4785, 0.2054, 0.2863

Triad

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



57.4785, 0.2293, 0.3456



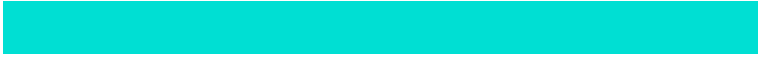
57.4785, 0.2804, 0.2402



57.4785, 0.4289, 0.3988

Complementary

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



57.4785, 0.2293, 0.3456



15.7170, 0.6355, 0.3275

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.



57.4785, 0.4334, 0.3526



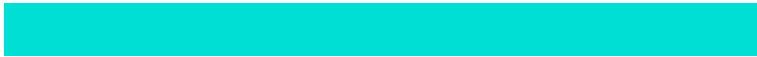
57.4785, 0.2293, 0.3456



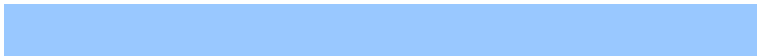
57.4785, 0.3424, 0.2662

Square

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



57.4785, 0.2293, 0.3456



57.4785, 0.2325, 0.2329



57.4785, 0.4008, 0.3059



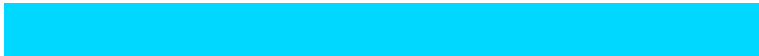
57.4785, 0.3919, 0.4336

Rectangle

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



57.4785, 0.2293, 0.3456



57.4785, 0.2035, 0.2577



57.4785, 0.4008, 0.3059



57.4785, 0.4345, 0.3840

Sweetspot

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



57.4857, 0.2293, 0.3456



88.0013, 0.2713, 0.3333



52.8838, 0.3012, 0.5991



18.5655, 0.2663, 0.3340



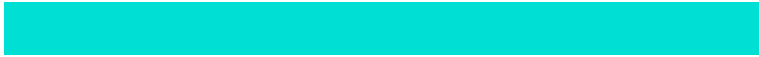
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.4857, 0.2293, 0.3456



77.8854, 0.2294, 0.3457



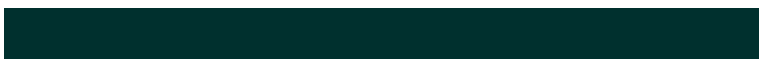
20.3464, 0.1830, 0.1787



15.5589, 0.2989, 0.3302



33.8011, 0.2293, 0.3453



2.3469, 0.2285, 0.3426

Inverse Universe

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



15.7170, 0.6355, 0.3275



21.2911, 0.6362, 0.3278



24.1733, 0.5621, 0.3919



13.7125, 0.3284, 0.3278



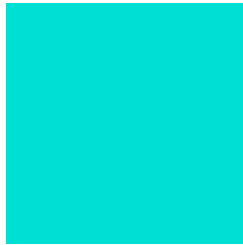
9.2451, 0.6341, 0.3267



0.6451, 0.6171, 0.3173

Previews

White Background



This preview shows how the Yxy color 57.4785, 0.2293, 0.3456 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 57.4785, 0.2293, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

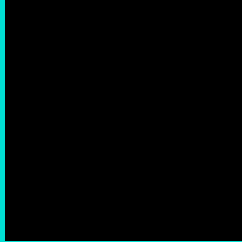
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

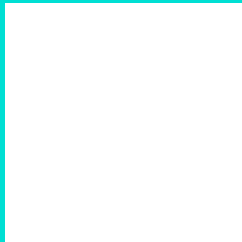
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.4785, 0.2293, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 57.4785, 0.2293, 0.3456.

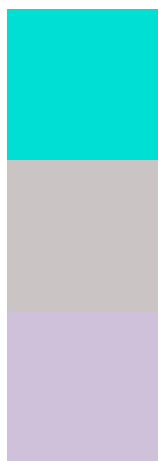


This preview shows how white text looks on a background with the Yxy color 57.4785, 0.2293, 0.3456.

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

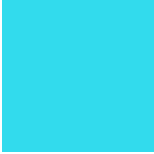
57.4785, 0.2293, 0.3456

Protanopia

56.4746, 0.3174, 0.3302

Deuteranopia

56.6118, 0.3062, 0.3002



Tritanopia

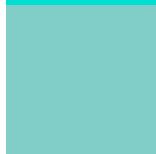
57.4556, 0.2226, 0.3050

Trichromacy



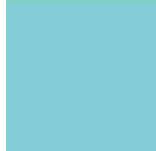
Original Color

57.4785, 0.2293, 0.3456



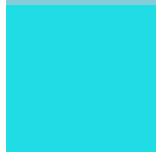
Protanomaly

53.0268, 0.2637, 0.3356



Deuteranomaly

52.9976, 0.2573, 0.3143



Tritanomaly

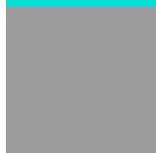
57.0949, 0.2238, 0.3179

Monochromacy



Original Color

57.4785, 0.2293, 0.3456



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 57.4785, 0.2293, 0.3456 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, 223, 211)` looks like.

```
.text, #text, p{  
  color:rgb(0, 223, 211)  
}
```

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, 223, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 211) }
```

Border

The CSS property to change the border of an element to Yxy 57.4785, 0.2293, 0.3456 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, 223, 211) }
```

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

```
.border{ border-color:rgb(0, 223, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 223, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4785, 0.2293, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 211) }
```

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

```
.background{ background-color: rgb(0, 223,  
211) }
```

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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