

Converting Colors

$Y_{xy}(57.1054, 0.2356, 0.3529)$

Have a look what the booklet for
Yxy(57.1054, 0.2356, 0.3529)
contains.

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Color

$\text{Yxy}(57.1858, 0.2355, 0.3527)$

Conversions

Conversions Part 1

Format	Color
Hex	2CDECD
RGB	44, 222, 205
RGB Percent	17%, 87%, 80%
CMY	0.8266, 0.1294, 0.1962
CMYK	0.80, 0.00, 0.08, 0.13
HSL	174°, 73%, 52%
HSV	174°, 80%, 87%
XYZ	38.1833, 57.1858, 66.7681
YIQ	166.8400, -100.6310, -43.0230

Conversions

Conversions Part 2

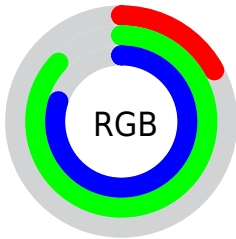
Format	Color
RYB	44, 137, 222
Decimal	2940621
CIELab	80.28, -46.08, -3.91
CIELCh	80, 46.249, 184.848
Yxy	57.1858, 0.2355, 0.3527
Android (android.graphics.Color)	4281130701 (0xFF2CDECD)
YUV	166.8400, 18.8129, -107.7307
Hunter-Lab	75.6213, -42.2076, 0.5861

Details

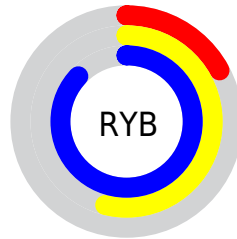
The Yxy color **57.1858, 0.2355, 0.3527** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.6854, 0.5719, 0.3172**, and the grayscale version is **38.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **29.5068, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **56.7166, 0.2336, 0.3560**, and if you desaturate by 10%, it is **57.9237, 0.2393, 0.3494**.

Distribution



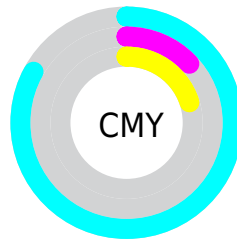
- Red (17%)
- Green (87%)
- Blue (80%)



- Red (17%)
- Yellow (54%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)





- Cyan (83%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1858, 0.2355, 0.3527 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 57.1858, 0.2355, 0.3527 by changing the saturation by 10% instead.


 57.1858, 0.2355,
0.3527


 57.1858, 0.2355,
0.3527


414.1452, 0.2721,
0.3419


 41.1544, 0.2270,
0.3551


 100.7362, 0.2484,
0.3490

 28.4398, 0.2163,
0.3580


 129.0241, 0.2533,
0.3475


 18.6574, 0.2028,
0.3616


 162.1663, 0.2576,
0.3463

 11.4230, 0.1850,
0.3662

 200.5471, 0.2613,
0.3452

 6.3521, 0.1607,
0.3719

 244.5510, 0.2645,
0.3442

 3.0603, 0.1264,
0.3789

294.5624, 0.2673,

 1.1633, 0.0000,

0.3433

0.4174

350.9656, 0.2699,
0.3426

■ 0.0314, 0.0000,
0.0928

■ 0.0000, 0.0000,
0.0000

■ 57.1858, 0.2355,
0.3527

■ 57.1858, 0.2355,
0.3527

■ 56.7166, 0.2336,
0.3560


■ 57.9237, 0.2393,
0.3494

■ 56.4463, 0.2331,
0.3592


■ 58.9604, 0.2450,
0.3461


■ 60.3290, 0.2527,
0.3429


■ 62.0566, 0.2621,
0.3398

 64.1675, 0.2730,
0.3368

 66.6837, 0.2853,
0.3340

 69.6258, 0.2986,
0.3314

 73.0128, 0.3126,
0.3290

 76.8625, 0.3270,
0.3269

Harmonies

Analogous

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



57.1858, 0.2835, 0.4104



57.1858, 0.2355, 0.3527



57.1858, 0.2091, 0.2934

Triad

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



57.1858, 0.2355, 0.3527



57.1858, 0.2747, 0.2402



57.1858, 0.4287, 0.3926

Complementary

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



57.1858, 0.2355, 0.3527



17.6854, 0.5719, 0.3172

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.



57.1858, 0.4287, 0.3469



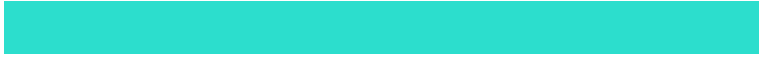
57.1858, 0.2355, 0.3527



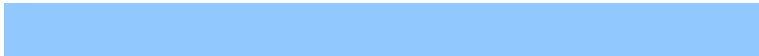
57.1858, 0.3345, 0.2638

Square

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



57.1858, 0.2355, 0.3527



57.1858, 0.2301, 0.2354



57.1858, 0.3930, 0.3015



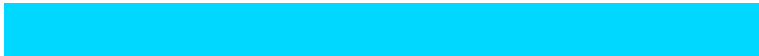
57.1858, 0.3958, 0.4284

Rectangle

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



57.1858, 0.2355, 0.3527



57.1858, 0.2053, 0.2636



57.1858, 0.3930, 0.3015



57.1858, 0.4328, 0.3778

Sweetspot

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



57.1880, 0.2355, 0.3527



89.8113, 0.2801, 0.3351



53.4483, 0.3064, 0.5733



18.9625, 0.2758, 0.3361



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.



57.1880, 0.2355, 0.3527



77.3874, 0.2332, 0.3581



27.9088, 0.2001, 0.2209



15.5485, 0.2995, 0.3312



33.5380, 0.2330, 0.3587



2.3313, 0.2316, 0.3537

Inverse Universe

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



17.6854, 0.5719, 0.3172



21.5948, 0.6243, 0.3238



28.0479, 0.5200, 0.3968



13.7217, 0.3277, 0.3268



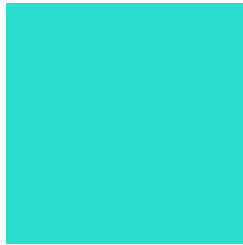
9.2643, 0.6287, 0.3237



0.6495, 0.6007, 0.3083

Previews

White Background



This preview shows how the Yxy color 57.1858, 0.2355, 0.3527 looks on a white background.

Color Contrast Check

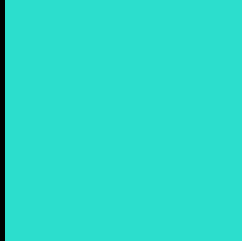
Large Text (above 18pt) WCAG AA × Fail

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 57.1858, 0.2355, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

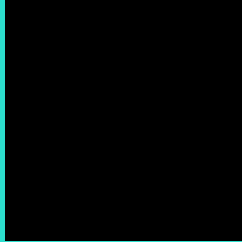
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

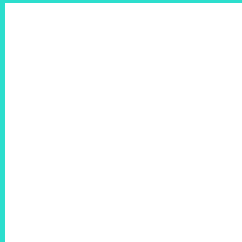
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.1858, 0.2355, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 57.1858, 0.2355, 0.3527.

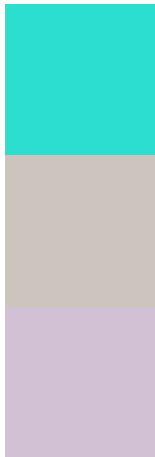


This preview shows how white text looks on a background with the Yxy color 57.1858, 0.2355, 0.3527.

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

57.1858, 0.2355, 0.3527

Protanopia

56.3467, 0.3227, 0.3374

Deuteranopia

56.1544, 0.3122, 0.3059



Tritanopia

57.3343, 0.2265, 0.3064

Trichromacy



Original Color

57.1858, 0.2355, 0.3527



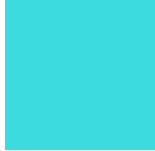
Protanomaly

54.1025, 0.2769, 0.3436



Deuteranomaly

53.7994, 0.2712, 0.3211



Tritanomaly

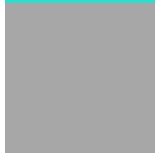
56.9747, 0.2294, 0.3220

Monochromacy



Original Color

57.1858, 0.2355, 0.3527



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

43.0144, 0.2680, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1858, 0.2355, 0.3527 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(44, 222, 205)` looks like.

```
.text, #text, p{  
    color:rgb(44, 222, 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(44, 222, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 222, 205) }
```

Border

The CSS property to change the border of an element to Yxy 57.1858, 0.2355, 0.3527 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(44, 222, 205) }
```

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

```
.border{ border-color:rgb(44, 222, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 222, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 222, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 222, 205);  
box-shadow:4px 4px 4px 4px rgb(44, 222,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1858, 0.2355, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 222, 205) }
```

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

```
.background{ background-color: rgb(44, 222,  
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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