

Converting Colors

$Y_{xy}(58.7562, 0.2293, 0.3392)$

Have a look what the booklet for
Yxy(58.7562, 0.2293, 0.3392)
contains.

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Color

Yxy(58.5541, 0.2290, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	1BE0D9
RGB	27, 224, 217
RGB Percent	11%, 88%, 85%
CMY	0.8954, 0.1215, 0.1490
CMYK	0.88, 0.00, 0.03, 0.12
HSL	178°, 79%, 49%
HSV	178°, 88%, 88%
XYZ	39.6244, 58.5541, 74.8537
YIQ	164.2990, -115.1650, -43.9410

Conversions

Conversions Part 2

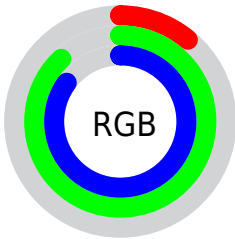
Format	Color
R _Y B	27, 127, 224
Decimal	1827033
CIE Lab	81.05, -44.78, -9.19
CIE LCh	81, 45.717, 191.602
Yxy	58.5541, 0.2290, 0.3384
Android (android.graphics.Color)	4280017113 (0xFF1BE0D9)
YUV	164.2990, 25.9816, -120.4112
Hunter-Lab	76.5207, -41.4792, -4.4340

Details

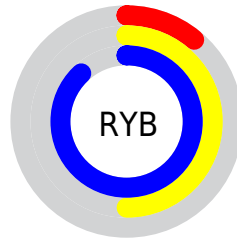
The Yxy color **58.5541, 0.2290, 0.3384** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.7322, 0.6134, 0.3267**, and the grayscale version is **37.1436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **30.6139, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **58.3139, 0.2279, 0.3395**, and if you desaturate by 10%, it is **59.0241, 0.2317, 0.3372**.

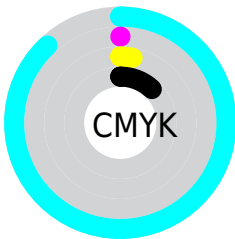
Distribution



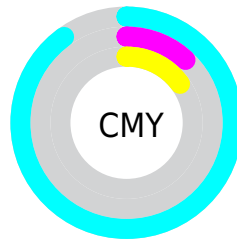
- Red (11%)
- Green (88%)
- Blue (85%)



- Red (11%)
- Yellow (50%)
- Blue (88%)



- Cyan (88%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)





- Cyan (90%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5541, 0.2290, 0.3384 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 58.5541, 0.2290, 0.3384 by changing the saturation by 10% instead.

 58.5541, 0.2290,
0.3384


 58.5541, 0.2290,
0.3384

419.2475, 0.2682,
0.3350


 42.2543, 0.2200,
0.3389


 102.7293, 0.2427,
0.3374


 29.3004, 0.2089,
0.3394


 131.3735, 0.2480,
0.3370


 19.3082, 0.1949,
0.3397


 164.9013, 0.2525,
0.3366

 11.8932, 0.1766,
0.3397

 203.6970, 0.2565,
0.3362

 6.6710, 0.1523,
0.3387

 248.1451, 0.2600,
0.3358

 3.2572, 0.1187,
0.3351

298.6299, 0.2630,

 1.2674, 0.0186,

0.3355

355.5359, 0.2658,
0.3352

0.3421

■ 0.1158, 0.0000,
0.1309

■ 0.0000, 0.0000,
0.0000

■ 58.5541, 0.2290,
0.3384

■ 58.5541, 0.2290,
0.3384

■ 58.3139, 0.2279,
0.3395

■ 59.0241, 0.2317,
0.3372

■ 58.2784, 0.2277,
0.3398

■ 59.7688, 0.2363,
0.3361

■ 60.8263, 0.2428,
0.3349

■ 62.2274, 0.2512,
0.3338

■ 63.9992, 0.2615,
0.3326

■ 66.1658, 0.2733,
0.3316

■ 68.7497, 0.2864,
0.3306

■ 71.7713, 0.3006,
0.3297

■ 75.2500, 0.3156,
0.3288

Harmonies

Analogous

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



58.5541, 0.2721, 0.3976



58.5541, 0.2290, 0.3384



58.5541, 0.2084, 0.2832

Triad

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



58.5541, 0.2290, 0.3384



58.5541, 0.2878, 0.2454



58.5541, 0.4218, 0.4008

Complementary

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



58.5541, 0.2290, 0.3384



16.7322, 0.6134, 0.3267

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.



58.5541, 0.4296, 0.3571



58.5541, 0.2290, 0.3384



58.5541, 0.3479, 0.2722

Square

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



58.5541, 0.2290, 0.3384



58.5541, 0.2397, 0.2363



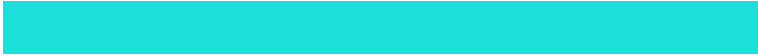
58.5541, 0.4019, 0.3117



58.5541, 0.3838, 0.4316

Rectangle

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



58.5541, 0.2290, 0.3384



58.5541, 0.2083, 0.2572



58.5541, 0.4019, 0.3117



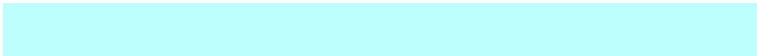
58.5541, 0.4282, 0.3870

Sweetspot

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



58.5563, 0.2290, 0.3384



89.3695, 0.2757, 0.3314



53.7808, 0.3022, 0.5889



18.8905, 0.2713, 0.3318



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.



58.5563, 0.2290, 0.3384



78.1695, 0.2277, 0.3398



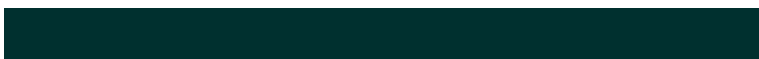
22.9980, 0.1893, 0.1927



15.5635, 0.2987, 0.3298



33.9217, 0.2277, 0.3396



2.3539, 0.2272, 0.3378

Inverse Universe

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



16.7322, 0.6134, 0.3267



21.2799, 0.6376, 0.3286



28.2976, 0.5308, 0.4046



13.7084, 0.3287, 0.3282



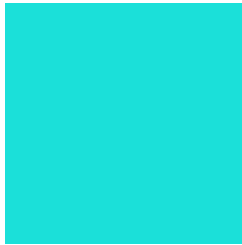
9.2380, 0.6361, 0.3278



0.6432, 0.6247, 0.3215

Previews

White Background



This preview shows how the Yxy color 58.5541, 0.2290, 0.3384 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 58.5541, 0.2290, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

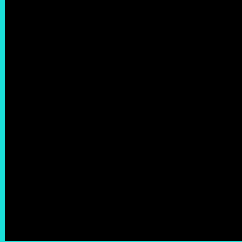
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

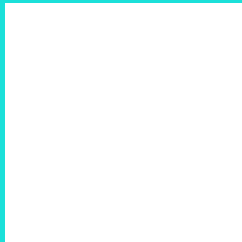
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.5541, 0.2290, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 58.5541, 0.2290, 0.3384.

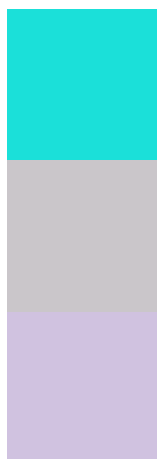


This preview shows how white text looks on a background with the Yxy color 58.5541, 0.2290, 0.3384.

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

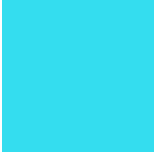
58.5541, 0.2290, 0.3384

Protanopia

57.2090, 0.3129, 0.3243

Deuteranopia

57.3753, 0.3019, 0.2948



Tritanopia

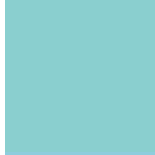
58.6750, 0.2229, 0.3052

Trichromacy



Original Color

58.5541, 0.2290, 0.3384



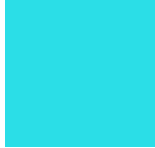
Protanomaly

54.5339, 0.2657, 0.3289



Deuteranomaly

54.6339, 0.2598, 0.3083



Tritanomaly

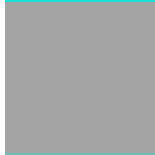
58.5257, 0.2248, 0.3167

Monochromacy



Original Color

58.5541, 0.2290, 0.3384



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.1141, 0.2615, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5541, 0.2290, 0.3384 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(27, 224, 217)` looks like.

```
.text, #text, p{  
    color:rgb(27, 224, 217)  
}
```

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(27, 224, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 224, 217) }
```

Border

The CSS property to change the border of an element to Yxy 58.5541, 0.2290, 0.3384 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(27, 224, 217) }
```

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

```
.border{ border-color:rgb(27, 224, 217) }
```

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

Here you see how a box with a 4 pixel rgb(27, 224, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 224, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 224, 217);  
box-shadow:4px 4px 4px 4px rgb(27, 224,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5541, 0.2290, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 224, 217) }
```

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

```
.background{ background-color: rgb(27, 224,  
217) }
```

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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