

Converting Colors

$Y_{xy}(52.7034, 0.2275, 0.3390)$

Have a look what the booklet for
Yxy(52.7034, 0.2275, 0.3390)
contains.

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Color

Yxy(52.5981, 0.2275, 0.3388)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01D6CF |
| RGB | 1, 214, 207 |
| RGB Percent | 0%, 84%, 81% |
| CMY | 0.9962, 0.1608, 0.1882 |
| CMYK | 1.00, 0.00, 0.03, 0.16 |
| HSL | 178°, 99%, 42% |
| HSV | 178°, 100%, 84% |
| XYZ | 35.3190, 52.5981, 67.3312 |
| YIQ | 149.5150, -124.7010, -47.3330 |

Conversions

Conversions Part 2

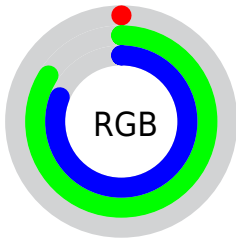
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 1, 109, 214 |
| Decimal | 120527 |
| CIELab | 77.64, -44.14, -8.95 |
| CIELCh | 78, 45.038, 191.460 |
| Yxy | 52.5981, 0.2275, 0.3388 |
| Android (android.graphics.Color) | 4278310607 (0xFF01D6CF) |
| YUV | 149.5150, 28.3401, -130.2477 |
| Hunter-Lab | 72.5245, -39.9896, -4.2771 |

Details

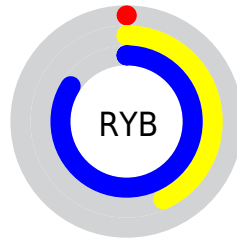
The Yxy color **52.5981, 0.2275, 0.3388** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.3332, 0.6365, 0.3284**, and the grayscale version is **30.1952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **26.7536, 0.2273, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **52.5922, 0.2275, 0.3388**, and if you desaturate by 10%, it is **52.8030, 0.2286, 0.3378**.

Distribution



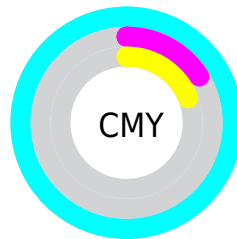
- Red (0%)
- Green (84%)
- Blue (81%)



- Red (0%)
- Yellow (43%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5981, 0.2275, 0.3388 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 52.5981, 0.2275, 0.3388 by changing the saturation by 10% instead.


 52.5981, 0.2275,
0.3388


 52.5981, 0.2275,
0.3388


396.7413, 0.2682,
0.3351


 37.4820, 0.2180,
0.3394


 94.0127, 0.2418,
0.3377

 25.5809, 0.2061,
0.3399


 121.0800, 0.2473,
0.3373

 16.5104, 0.1910,
0.3402

 152.8999, 0.2520,
0.3368

 9.8860, 0.1712,
0.3402

 189.8567, 0.2561,
0.3364

 5.3235, 0.1444,
0.3388

 232.3349, 0.2597,
0.3361

 2.4383, 0.1066,
0.3340

280.7188, 0.2629,

 0.8455, 0.0000,

0.3357

0.3360

335.3928, 0.2657,
0.3354

■ 0.0000, 0.0000,
0.0000

■ 52.5981, 0.2275,
0.3388

■ 52.5981, 0.2275,
0.3388

■ 52.5922, 0.2275,
0.3388

■ 52.8030, 0.2286,
0.3378

■ 53.1931, 0.2311,
0.3367

■ 53.8269, 0.2354,
0.3356

■ 54.7377, 0.2417,
0.3345

■ 55.9532, 0.2499,
0.3335

■ 57.4982, 0.2599,
0.3325

■ 59.3945, 0.2715,
0.3315

■ 61.6623, 0.2844,
0.3306

■ 64.3203, 0.2985,
0.3297

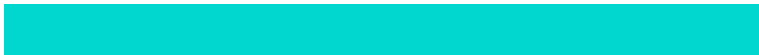
Harmonies

Analogous

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



52.5981, 0.2714, 0.3994



52.5981, 0.2275, 0.3388



52.5981, 0.2065, 0.2823

Triad

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



52.5981, 0.2275, 0.3388



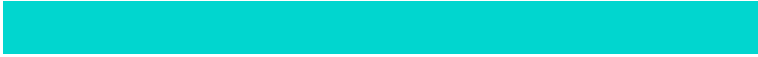
52.5981, 0.2870, 0.2438



52.5981, 0.4241, 0.4018

Complementary

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



52.5981, 0.2275, 0.3388



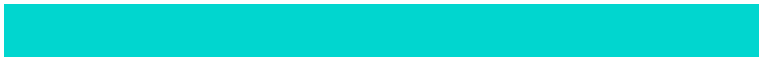
14.3332, 0.6365, 0.3284

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.



52.5981, 0.4320, 0.3572



52.5981, 0.2275, 0.3388



52.5981, 0.3483, 0.2710

Square

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



52.5981, 0.2275, 0.3388



52.5981, 0.2381, 0.2346



52.5981, 0.4036, 0.3110



52.5981, 0.3853, 0.4336

Rectangle

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



52.5981, 0.2275, 0.3388



52.5981, 0.2063, 0.2559



52.5981, 0.4036, 0.3110



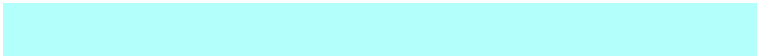
52.5981, 0.4307, 0.3877

Sweetspot

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



52.6001, 0.2275, 0.3388



88.1039, 0.2705, 0.3316



48.1423, 0.3006, 0.5992



18.5905, 0.2655, 0.3320



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.



52.6001, 0.2275, 0.3388



78.2138, 0.2275, 0.3390



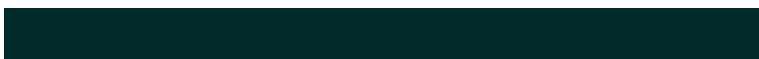
17.0272, 0.1802, 0.1683



14.1005, 0.2987, 0.3297



31.7951, 0.2274, 0.3387



1.9200, 0.2269, 0.3369

Inverse Universe

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



14.3332, 0.6365, 0.3284



21.2783, 0.6378, 0.3287



23.4844, 0.5510, 0.4003



12.4273, 0.3286, 0.3283



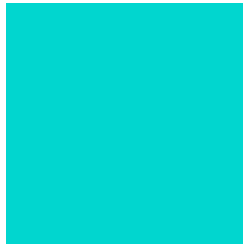
8.6534, 0.6363, 0.3279



0.5243, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 52.5981, 0.2275, 0.3388 looks on a white background.

Color Contrast Check

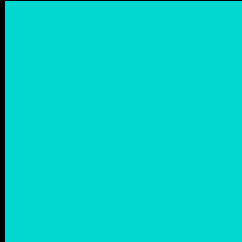
Large Text (above 18pt) WCAG AA × Fail

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 52.5981, 0.2275, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

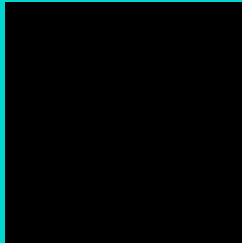
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

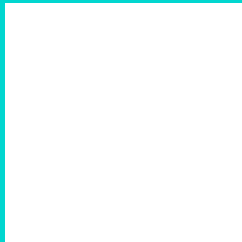
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5981, 0.2275, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 52.5981, 0.2275, 0.3388.

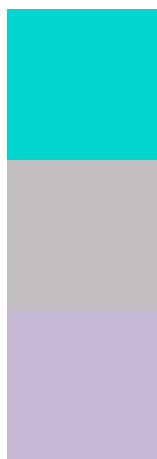


This preview shows how white text looks on a background with the Yxy color 52.5981, 0.2275, 0.3388.

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

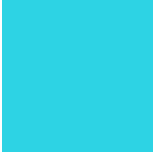
52.6046, 0.2275, 0.3388

Protanopia

51.5384, 0.3137, 0.3253

Deuteranopia

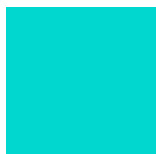
51.5078, 0.3021, 0.2956



Tritanopia

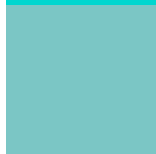
52.7479, 0.2223, 0.3055

Trichromacy



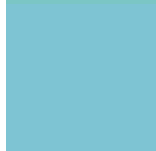
Original Color

52.6046, 0.2275, 0.3388



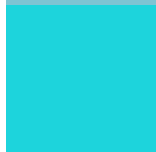
Protanomaly

48.6303, 0.2610, 0.3302



Deuteranomaly

48.6186, 0.2544, 0.3085



Tritanomaly

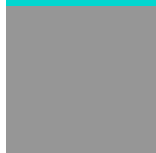
52.5155, 0.2235, 0.3175

Monochromacy



Original Color

52.6046, 0.2275, 0.3388



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.3142, 0.2550, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5981, 0.2275, 0.3388 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(1, 214, 207)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 207)  
}
```

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(1, 214, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 207) }
```

Border

The CSS property to change the border of an element to Yxy 52.5981, 0.2275, 0.3388 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(1, 214, 207) }
```

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

```
.border{ border-color:rgb(1, 214, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 214, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 207);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5981, 0.2275, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 207) }
```

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

```
.background{ background-color: rgb(1, 214,  
207) }
```

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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