

Converting Colors

Yxy(51.3482, 0.2236, 0.3330)

Have a look what the booklet for
Yxy(51.3482, 0.2236, 0.3330)
contains.

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Color

Yxy(51.6904, 0.2259, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	01D4D1
RGB	1, 212, 209
RGB Percent	0%, 83%, 82%
CMY	0.9974, 0.1686, 0.1805
CMYK	1.00, 0.00, 0.01, 0.17
HSL	179°, 99%, 42%
HSV	179°, 100%, 83%
XYZ	35.0551, 51.6904, 68.4343
YIQ	148.5690, -124.7930, -45.6650

Conversions

Conversions Part 2

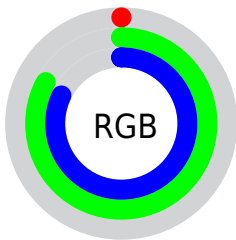
Format	Color
RYB	1, 107, 212
Decimal	120017
CIELab	77.10, -42.70, -10.81
CIELCh	77, 44.049, 194.203
Yxy	51.6904, 0.2259, 0.3331
Android (android.graphics.Color)	4278310097 (0xFF01D4D1)
YUV	148.5690, 29.7925, -129.4180
Hunter-Lab	71.8960, -38.7849, -6.1080

Details

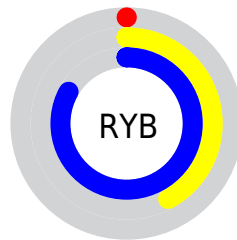
The Yxy color **51.6904, 0.2259, 0.3331** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.0189, 0.6383, 0.3293**, and the grayscale version is **29.7288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **26.4805, 0.2257, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **51.6877, 0.2259, 0.3331**, and if you desaturate by 10%, it is **51.8720, 0.2271, 0.3327**.

Distribution



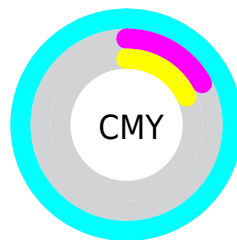
- Red (0%)
- Green (83%)
- Blue (82%)



- Red (0%)
- Yellow (42%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)




- Cyan (100%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6904, 0.2259, 0.3331 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 51.6904, 0.2259, 0.3331 by changing the saturation by 10% instead.


 51.6904, 0.2259,
0.3331

 51.6904, 0.2259,
0.3331


393.2402, 0.2673,
0.3323

 36.7584, 0.2162,
0.3329


 92.6745, 0.2405,
0.3331


 25.0205, 0.2041,
0.3325


 119.4953, 0.2461,
0.3330

 16.0923, 0.1888,
0.3316


 151.0479, 0.2509,
0.3329

 9.5895, 0.1686,
0.3297

 187.7165, 0.2551,
0.3328

 5.1276, 0.1414,
0.3257

 229.8857, 0.2587,
0.3327

 2.3223, 0.1031,
0.3167

277.9398, 0.2619,

 0.7855, 0.0000,

0.3326

0.3078

332.2632, 0.2648,
0.3325

■ 0.0000, 0.0000,
0.0000

■ 51.6904, 0.2259,
0.3331

■ 51.6904, 0.2259,
0.3331

■ 51.6877, 0.2259,
0.3331

■ 51.8720, 0.2271,
0.3327

■ 52.2329, 0.2297,
0.3322

■ 52.8317, 0.2342,
0.3317

■ 53.7009, 0.2405,
0.3313

■ 54.8678, 0.2488,
0.3309

■ 56.3564, 0.2589,
0.3304

■ 58.1883, 0.2706,
0.3300

■ 60.3832, 0.2838,
0.3297

■ 62.9593, 0.2981,
0.3293

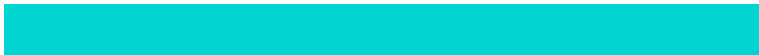
Harmonies

Analogous

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



51.6904, 0.2674, 0.3933



51.6904, 0.2259, 0.3331



51.6904, 0.2074, 0.2790

Triad

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



51.6904, 0.2259, 0.3331



51.6904, 0.2927, 0.2468



51.6904, 0.4200, 0.4045

Complementary

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



51.6904, 0.2259, 0.3331



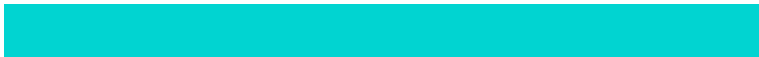
14.0189, 0.6383, 0.3293

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.



51.6904, 0.4309, 0.3612



51.6904, 0.2259, 0.3331



51.6904, 0.3533, 0.2750

Square

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



51.6904, 0.2259, 0.3331



51.6904, 0.2428, 0.2359



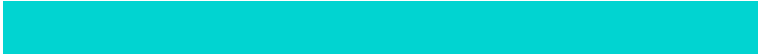
51.6904, 0.4060, 0.3154



51.6904, 0.3797, 0.4336

Rectangle

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



51.6904, 0.2259, 0.3331



51.6904, 0.2087, 0.2543



51.6904, 0.4060, 0.3154



51.6904, 0.4274, 0.3909

Sweetspot

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



51.6923, 0.2259, 0.3331



88.1940, 0.2699, 0.3301



47.1143, 0.3003, 0.5996



18.6124, 0.2647, 0.3302



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.



51.6923, 0.2259, 0.3331



78.5073, 0.2259, 0.3332



15.8766, 0.1785, 0.1624



14.1047, 0.2985, 0.3293



31.9115, 0.2259, 0.3331



1.9258, 0.2256, 0.3323

Inverse Universe

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



14.0189, 0.6383, 0.3293



21.2680, 0.6391, 0.3294



23.6595, 0.5463, 0.4041



12.4237, 0.3289, 0.3287



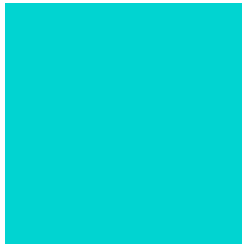
8.6464, 0.6384, 0.3291



0.5225, 0.6331, 0.3262

Previews

White Background



This preview shows how the Yxy color 51.6904, 0.2259, 0.3331 looks on a white background.

Color Contrast Check

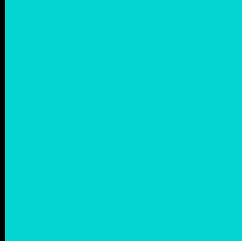
Large Text (above 18pt) WCAG AA × Fail

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 51.6904, 0.2259, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

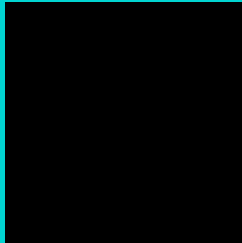
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6904, 0.2259, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 51.6904, 0.2259, 0.3331.

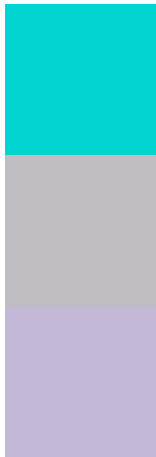


This preview shows how white text looks on a background with the Yxy color 51.6904, 0.2259, 0.3331.

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

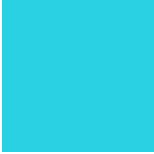
51.6969, 0.2259, 0.3331

Protanopia

50.9378, 0.3106, 0.3215

Deuteranopia

50.7894, 0.2982, 0.2918



Tritanopia

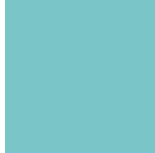
51.5633, 0.2216, 0.3052

Trichromacy



Original Color

51.6969, 0.2259, 0.3331



Protanomaly

48.1936, 0.2591, 0.3260



Deuteranomaly

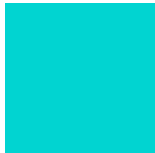
47.6728, 0.2518, 0.3030



Tritanomaly

51.4801, 0.2224, 0.3147

Monochromacy



Original Color

51.6969, 0.2259, 0.3331



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.4078, 0.2539, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6904, 0.2259, 0.3331 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, 212, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 212, 209)  
}
```

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, 212, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 212, 209) }
```

Border

The CSS property to change the border of an element to Yxy 51.6904, 0.2259, 0.3331 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, 212, 209) }
```

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

```
.border{ border-color:rgb(1, 212, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 212, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 212, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 212, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 212,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6904, 0.2259, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 212, 209) }
```

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

```
.background{ background-color: rgb(1, 212,  
209) }
```

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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