

Converting Colors

$Y_{xy}(50.8476, 0.2316, 0.3537)$

Have a look what the booklet for
Yxy(50.8476, 0.2316, 0.3537)
contains.

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Color

Yxy(51.0271, 0.2317, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	01D4C3
RGB	1, 212, 195
RGB Percent	0%, 83%, 76%
CMY	0.9980, 0.1686, 0.2353
CMYK	1.00, 0.00, 0.08, 0.17
HSL	175°, 100%, 42%
HSV	175°, 100%, 83%
XYZ	33.3982, 51.0271, 59.7190
YIQ	146.9730, -120.2990, -50.0190

Conversions

Conversions Part 2

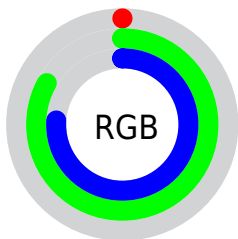
Format	Color
RYB	1, 111, 212
Decimal	120003
CIELab	76.70, -46.72, -3.89
CIElCh	77, 46.881, 184.763
Yxy	51.0271, 0.2317, 0.3540
Android (android.graphics.Color)	4278310083 (0xFF01D4C3)
YUV	146.9730, 23.6773, -128.0183
Hunter-Lab	71.4333, -41.5515, 0.4362

Details

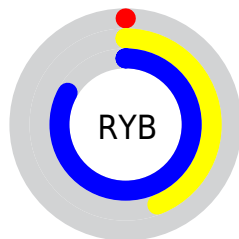
The Yxy color **51.0271, 0.2317, 0.3540** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.0499, 0.6320, 0.3257**, and the grayscale version is **29.0393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6108, 0.2420, 0.3335**, and **25.7000, 0.2329, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **51.0238, 0.2317, 0.3541**, and if you desaturate by 10%, it is **51.2706, 0.2324, 0.3513**.

Distribution



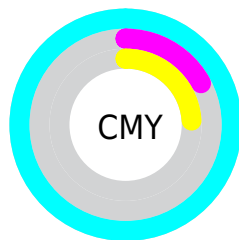
- Red (0%)
- Green (83%)
- Blue (76%)



- Red (0%)
- Yellow (44%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)




- Cyan (100%)
- Magenta (17%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0271, 0.2317, 0.3540 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 51.0271, 0.2317, 0.3540 by changing the saturation by 10% instead.


 51.0271, 0.2317,
0.3540

 51.0271, 0.2317,
0.3540


390.6691, 0.2709,
0.3424

 36.2302, 0.2224,
0.3566


 91.6948, 0.2456,
0.3500


 24.6120, 0.2107,
0.3598


 118.3344, 0.2509,
0.3484


 15.7882, 0.1957,
0.3638


 149.6904, 0.2555,
0.3471

 9.3744, 0.1757,
0.3688

 186.1470, 0.2594,
0.3459

 4.9862, 0.1481,
0.3751

 228.0889, 0.2628,
0.3448

 2.2392, 0.1056,
0.3838

275.9002, 0.2658,

 0.7412, 0.0000,

0.3439

0.4061

329.9655, 0.2685,
0.3431

■ 0.0000, 0.0000,
0.0000

■ 51.0271, 0.2317,
0.3540

■ 51.0271, 0.2317,
0.3540

■ 51.0238, 0.2317,
0.3541

■ 51.2706, 0.2324,
0.3513

■ 51.6933, 0.2345,
0.3486

■ 52.3547, 0.2385,
0.3459

■ 53.2870, 0.2444,
0.3431

■ 54.5178, 0.2522,
0.3405

■ 56.0710, 0.2618,
0.3379

■ 57.9682, 0.2730,
0.3354

■ 60.2292, 0.2854,
0.3331

■ 62.8721, 0.2989,
0.3309

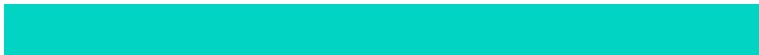
Harmonies

Analogous

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



51.0271, 0.2819, 0.4153



51.0271, 0.2317, 0.3540



51.0271, 0.2043, 0.2913

Triad

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



51.0271, 0.2317, 0.3540



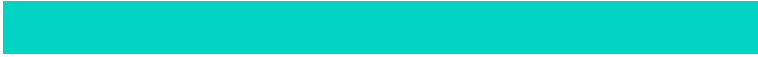
51.0271, 0.2725, 0.2361



51.0271, 0.4346, 0.3949

Complementary

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



51.0271, 0.2317, 0.3540



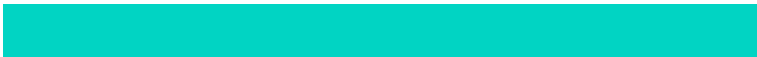
14.0499, 0.6320, 0.3257

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.



51.0271, 0.4347, 0.3470



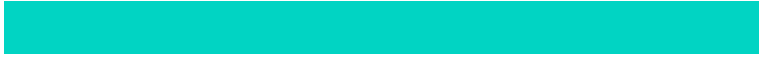
51.0271, 0.2317, 0.3540



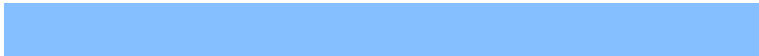
51.0271, 0.3353, 0.2606

Square

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



51.0271, 0.2317, 0.3540



51.0271, 0.2261, 0.2310



51.0271, 0.3970, 0.2998



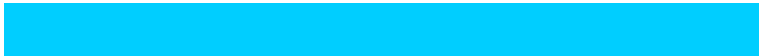
51.0271, 0.3997, 0.4331

Rectangle

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



51.0271, 0.2317, 0.3540



51.0271, 0.2004, 0.2601



51.0271, 0.3970, 0.2998



51.0271, 0.4389, 0.3794

Sweetspot

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



51.0290, 0.2317, 0.3540



87.8746, 0.2723, 0.3355



47.2165, 0.3017, 0.5985



18.5346, 0.2674, 0.3366



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.



51.0290, 0.2317, 0.3540



77.4898, 0.2318, 0.3543



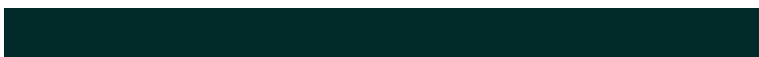
19.1417, 0.1849, 0.1855



14.0899, 0.2993, 0.3309



31.5076, 0.2316, 0.3537



1.9056, 0.2303, 0.3490

Inverse Universe

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



14.0499, 0.6320, 0.3257



21.3123, 0.6335, 0.3264



21.0814, 0.5659, 0.3886



12.4368, 0.3279, 0.3272



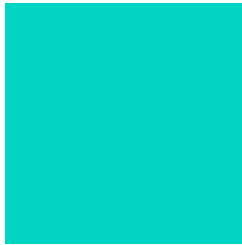
8.6721, 0.6306, 0.3248



0.5288, 0.6035, 0.3098

Previews

White Background



This preview shows how the Yxy color 51.0271, 0.2317, 0.3540 looks on a white background.

Color Contrast Check

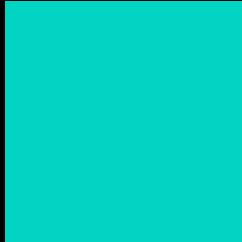
Large Text (above 18pt) WCAG AA × Fail

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 51.0271, 0.2317, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

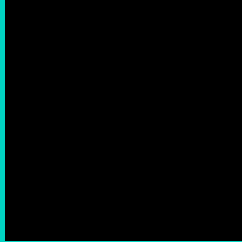
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

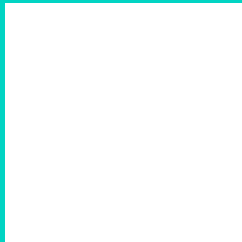
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0271, 0.2317, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 51.0271, 0.2317, 0.3540.

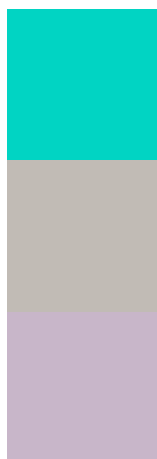


This preview shows how white text looks on a background with the Yxy color 51.0271, 0.2317, 0.3540.

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

51.0336, 0.2317, 0.3540

Protanopia

50.2143, 0.3224, 0.3366

Deuteranopia

49.9523, 0.3130, 0.3060



Tritanopia

51.2518, 0.2234, 0.3052

Trichromacy



Original Color

51.0336, 0.2317, 0.3540



Protanomaly

47.2360, 0.2672, 0.3432



Deuteranomaly

46.7755, 0.2612, 0.3205



Tritanomaly

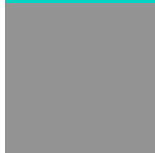
50.7793, 0.2253, 0.3216

Monochromacy



Original Color

51.0336, 0.2317, 0.3540



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

34.1858, 0.2577, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0271, 0.2317, 0.3540 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(1, 212, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 212, 195) }
```

Border

The CSS property to change the border of an element to Yxy 51.0271, 0.2317, 0.3540 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, 195) }
```

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

```
.border{ border-color:rgb(1, 212, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 212, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 212, 195);  
box-shadow:4px 4px 4px 4px rgb(1, 212,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0271, 0.2317, 0.3540 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, 195) }
```

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

```
.background{ background-color: rgb(1, 212,  
195) }
```

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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