

Converting Colors

$Y_{xy}(50.1717, 0.2282, 0.3417)$

Have a look what the booklet for
Yxy(50.1717, 0.2282, 0.3417)
contains.

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Color

Yxy(50.3102, 0.2283, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	00D2C9
RGB	0, 210, 201
RGB Percent	0%, 82%, 79%
CMY	1.0000, 0.1764, 0.2117
CMYK	1.00, 0.00, 0.04, 0.18
HSL	177°, 100%, 41%
HSV	177°, 100%, 82%
XYZ	33.5843, 50.3102, 63.2114
YIQ	146.1840, -122.2710, -47.3190

Conversions

Conversions Part 2

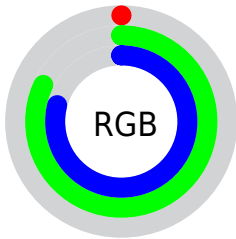
Format	Color
RYB	0, 107, 210
Decimal	53961
CIELab	76.26, -44.19, -7.78
CIELCh	76, 44.865, 189.980
Yxy	50.3102, 0.2283, 0.3420
Android (android.graphics.Color)	4278244041 (0xFF00D2C9)
YUV	146.1840, 27.0243, -128.2034
Hunter-Lab	70.9297, -39.6096, -3.1875

Details

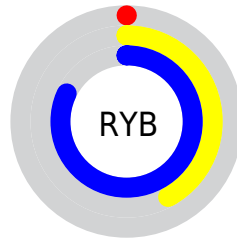
The Yxy color **50.3102, 0.2283, 0.3420** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.7229, 0.6362, 0.3279**, and the grayscale version is **28.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **25.5493, 0.2290, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **50.3165, 0.2283, 0.3420**, and if you desaturate by 10%, it is **50.5184, 0.2293, 0.3406**.

Distribution



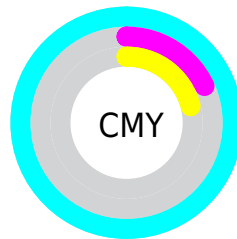
- Red (0%)
- Green (82%)
- Blue (79%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3102, 0.2283, 0.3420 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 50.3102, 0.2283, 0.3420 by changing the saturation by 10% instead.


 50.3102, 0.2283,
0.3420

 50.3102, 0.2283,
0.3420


387.8778, 0.2689,
0.3366

 35.6599, 0.2187,
0.3430


 90.6343, 0.2427,
0.3403


 24.1717, 0.2067,
0.3441


 117.0770, 0.2482,
0.3396


 15.4610, 0.1912,
0.3452


 148.2192, 0.2529,
0.3390

 9.1436, 0.1709,
0.3461

 184.4454, 0.2570,
0.3384

 4.8349, 0.1430,
0.3461

 226.1399, 0.2606,
0.3379

 2.1507, 0.1011,
0.3441

273.6873, 0.2637,

 0.6929, 0.0000,

0.3374

0.3412

327.4717, 0.2665,
0.3370

■ 0.0000, 0.0000,
0.0000

■ 50.3102, 0.2283,
0.3420

■ 50.3102, 0.2283,
0.3420

■ 50.3165, 0.2283,
0.3420

■ 50.5184, 0.2293,
0.3406

■ 50.8939, 0.2317,
0.3392

■ 51.5015, 0.2359,
0.3378

■ 52.3728, 0.2420,
0.3364

■ 53.5348, 0.2500,
0.3350

■ 55.0110, 0.2599,
0.3337

■ 56.8226, 0.2713,
0.3324

■ 58.9888, 0.2841,
0.3312

■ 61.5275, 0.2980,
0.3300

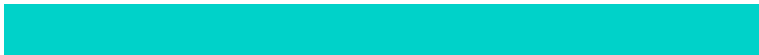
Harmonies

Analogous

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



50.3102, 0.2736, 0.4029



50.3102, 0.2283, 0.3420



50.3102, 0.2059, 0.2842

Triad

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



50.3102, 0.2283, 0.3420



50.3102, 0.2838, 0.2421



50.3102, 0.4264, 0.4004

Complementary

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



50.3102, 0.2283, 0.3420



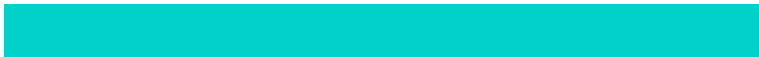
13.7229, 0.6362, 0.3279

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.



50.3102, 0.4328, 0.3550



50.3102, 0.2283, 0.3420



50.3102, 0.3455, 0.2687

Square

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



50.3102, 0.2283, 0.3420



50.3102, 0.2354, 0.2337



50.3102, 0.4023, 0.3086



50.3102, 0.3885, 0.4337

Rectangle

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



50.3102, 0.2283, 0.3420



50.3102, 0.2050, 0.2567



50.3102, 0.4023, 0.3086



50.3102, 0.4326, 0.3860

Sweetspot

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



50.3165, 0.2283, 0.3420



88.0551, 0.2709, 0.3324



46.1663, 0.3009, 0.5993



18.5786, 0.2659, 0.3330



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.



50.3165, 0.2283, 0.3420



78.0568, 0.2284, 0.3422



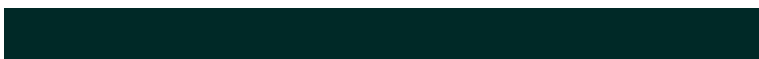
17.0308, 0.1815, 0.1735



13.3980, 0.2989, 0.3300



30.6928, 0.2283, 0.3418



1.7189, 0.2276, 0.3392

Inverse Universe

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



13.7229, 0.6362, 0.3279



21.2840, 0.6371, 0.3283



21.7987, 0.5567, 0.3962



11.8163, 0.3284, 0.3280



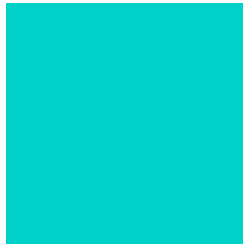
8.3736, 0.6350, 0.3272



0.4711, 0.6190, 0.3183

Previews

White Background



This preview shows how the Yxy color 50.3102, 0.2283, 0.3420 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 50.3102, 0.2283, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

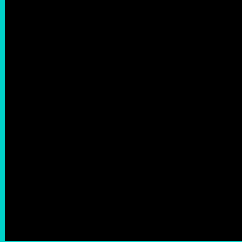
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

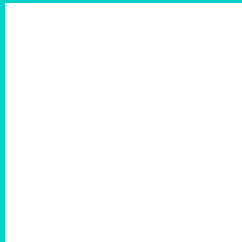
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3102, 0.2283, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 50.3102, 0.2283, 0.3420.

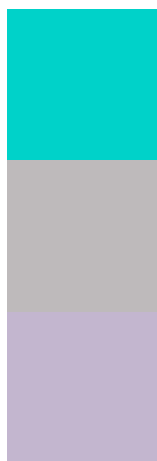


This preview shows how white text looks on a background with the Yxy color 50.3102, 0.2283, 0.3420.

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

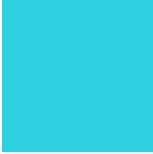
50.3102, 0.2283, 0.3420

Protanopia

49.6528, 0.3153, 0.3277

Deuteranopia

49.5630, 0.3042, 0.2986



Tritanopia

50.5342, 0.2229, 0.3064

Trichromacy



Original Color

50.3102, 0.2283, 0.3420



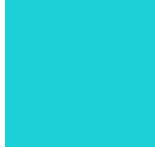
Protanomaly

46.9009, 0.2622, 0.3331



Deuteranomaly

46.3921, 0.2558, 0.3108



Tritanomaly

50.2793, 0.2240, 0.3187

Monochromacy



Original Color

50.3102, 0.2283, 0.3420



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.4563, 0.2553, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3102, 0.2283, 0.3420 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(0, 210, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 201)  
}
```

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(0, 210, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 201) }
```

Border

The CSS property to change the border of an element to Yxy 50.3102, 0.2283, 0.3420 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(0, 210, 201) }
```

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

```
.border{ border-color:rgb(0, 210, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3102, 0.2283, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 201) }
```

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

```
.background{ background-color: rgb(0, 210,  
201) }
```

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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