

Converting Colors

$Y_{xy}(49.8602, 0.2276, 0.3394)$

Have a look what the booklet for
Yxy(49.8602, 0.2276, 0.3394)
contains.

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Color

Yxy(49.8652, 0.2275, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	00D1CA
RGB	0, 209, 202
RGB Percent	0%, 82%, 79%
CMY	1.0000, 0.1803, 0.2079
CMYK	1.00, 0.00, 0.03, 0.18
HSL	178°, 100%, 41%
HSV	178°, 100%, 82%
XYZ	33.4542, 49.8652, 63.7322
YIQ	145.7110, -122.3170, -46.4850

Conversions

Conversions Part 2

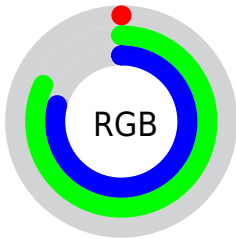
Format	Color
RYB	0, 106, 209
Decimal	53706
CIELab	75.99, -43.47, -8.70
CIELCh	76, 44.329, 191.322
Yxy	49.8652, 0.2275, 0.3391
Android (android.graphics.Color)	4278243786 (0xFF00D1CA)
YUV	145.7110, 27.7505, -127.7885
Hunter-Lab	70.6153, -39.0118, -4.0801

Details

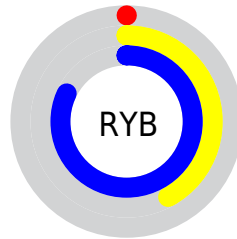
The Yxy color **49.8652, 0.2275, 0.3391** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.5725, 0.6370, 0.3283**, and the grayscale version is **28.5446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **25.2493, 0.2279, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **49.8709, 0.2275, 0.3391**, and if you desaturate by 10%, it is **50.0625, 0.2286, 0.3380**.

Distribution



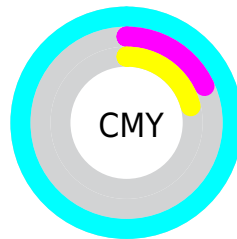
- Red (0%)
- Green (82%)
- Blue (79%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8652, 0.2275, 0.3391 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 49.8652, 0.2275, 0.3391 by changing the saturation by 10% instead.


 49.8652, 0.2275,
0.3391


 49.8652, 0.2275,
0.3391


386.1386, 0.2685,
0.3352


 35.3063, 0.2178,
0.3397


 89.9751, 0.2420,
0.3380


 23.8989, 0.2057,
0.3403


 116.2949, 0.2476,
0.3375


 15.2587, 0.1901,
0.3407


 147.3038, 0.2524,
0.3370

 9.0011, 0.1695,
0.3407

 183.3862, 0.2565,
0.3366

 4.7419, 0.1415,
0.3393

 224.9265, 0.2601,
0.3362

 2.0966, 0.0992,
0.3349

272.3090, 0.2632,

 0.6627, 0.0000,

0.3358

0.3247

325.9183, 0.2660,
0.3355

■ 0.0000, 0.0000,
0.0000

■ 49.8652, 0.2275,
0.3391

■ 49.8652, 0.2275,
0.3391

■ 49.8709, 0.2275,
0.3391

■ 50.0625, 0.2286,
0.3380

■ 50.4258, 0.2310,
0.3369

■ 51.0184, 0.2353,
0.3358

■ 51.8718, 0.2415,
0.3347

■ 53.0125, 0.2496,
0.3337

■ 54.4639, 0.2595,
0.3326

■ 56.2467, 0.2710,
0.3316

■ 58.3802, 0.2839,
0.3307

■ 60.8819, 0.2979,
0.3298

Harmonies

Analogous

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



49.8652, 0.2716, 0.3998



49.8652, 0.2275, 0.3391



49.8652, 0.2064, 0.2825

Triad

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



49.8652, 0.2275, 0.3391



49.8652, 0.2867, 0.2436



49.8652, 0.4244, 0.4018

Complementary

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



49.8652, 0.2275, 0.3391



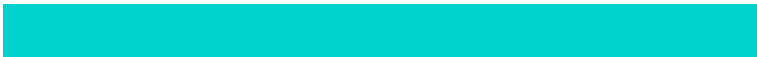
13.5725, 0.6370, 0.3283

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.



49.8652, 0.4322, 0.3570



49.8652, 0.2275, 0.3391



49.8652, 0.3480, 0.2707

Square

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



49.8652, 0.2275, 0.3391



49.8652, 0.2378, 0.2344



49.8652, 0.4036, 0.3108



49.8652, 0.3857, 0.4337

Rectangle

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



49.8652, 0.2275, 0.3391



49.8652, 0.2061, 0.2559



49.8652, 0.4036, 0.3108



49.8652, 0.4309, 0.3876

Sweetspot

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



49.8709, 0.2275, 0.3391



88.0998, 0.2706, 0.3316



45.6745, 0.3009, 0.5993



18.5895, 0.2655, 0.3321



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.



49.8709, 0.2275, 0.3391



78.2005, 0.2276, 0.3392



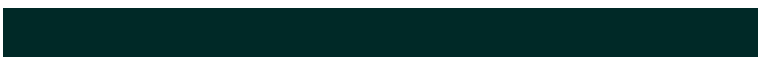
16.8557, 0.1815, 0.1735



13.3999, 0.2988, 0.3297



30.7478, 0.2275, 0.3389



1.7214, 0.2269, 0.3369

Inverse Universe

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



13.5725, 0.6370, 0.3283



21.2788, 0.6377, 0.3287



21.5724, 0.5566, 0.3962



11.8146, 0.3285, 0.3283



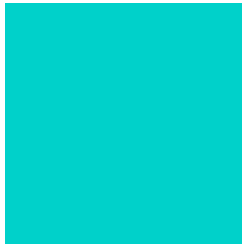
8.3702, 0.6361, 0.3278



0.4703, 0.6233, 0.3208

Previews

White Background



This preview shows how the Yxy color 49.8652, 0.2275, 0.3391 looks on a white background.

Color Contrast Check

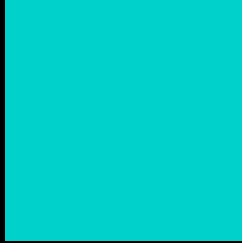
Large Text (above 18pt) WCAG AA × Fail

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 49.8652, 0.2275, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

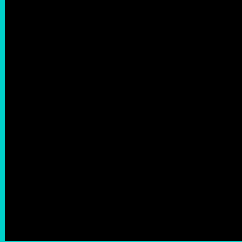
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

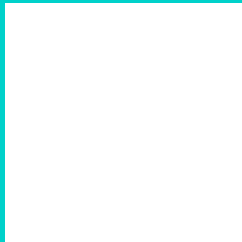
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8652, 0.2275, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 49.8652, 0.2275, 0.3391.

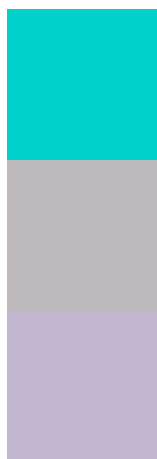


This preview shows how white text looks on a background with the Yxy color 49.8652, 0.2275, 0.3391.

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

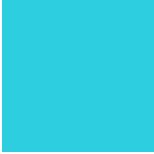
49.8652, 0.2275, 0.3391

Protanopia

49.1476, 0.3137, 0.3252

Deuteranopia

49.0711, 0.3026, 0.2961



Tritanopia

50.0058, 0.2222, 0.3050

Trichromacy



Original Color

49.8652, 0.2275, 0.3391



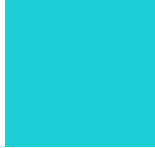
Protanomaly

46.4269, 0.2608, 0.3303



Deuteranomaly

45.9288, 0.2544, 0.3080



Tritanomaly

49.7788, 0.2235, 0.3173

Monochromacy



Original Color

49.8652, 0.2275, 0.3391



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 49.8652, 0.2275, 0.3391 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, 209, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 202)  
}
```

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, 209, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.8652, 0.2275, 0.3391 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, 209, 202) }
```

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

```
.border{ border-color:rgb(0, 209, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8652, 0.2275, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 202) }
```

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

```
.background{ background-color: rgb(0, 209,  
202) }
```

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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