

Converting Colors

$Y_{xy}(49.0011, 0.2237, 0.3251)$

Have a look what the booklet for
Yxy(49.0011, 0.2237, 0.3251)
contains.

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Color

Yxy(49.2355, 0.2239, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	01CFD1
RGB	1, 207, 209
RGB Percent	0%, 81%, 82%
CMY	0.9955, 0.1882, 0.1803
CMYK	0.99, 0.01, 0.00, 0.18
HSL	181°, 99%, 41%
HSV	181°, 99%, 82%
XYZ	33.8362, 49.2355, 68.0502
YIQ	145.6340, -123.4180, -43.0500

Conversions

Conversions Part 2

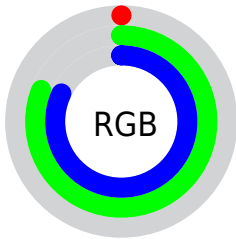
Format	Color
RYB	1, 104, 209
Decimal	118737
CIELab	75.60, -40.45, -13.07
CIELCh	76, 42.511, 197.905
Yxy	49.2355, 0.2239, 0.3258
Android (android.graphics.Color)	4278308817 (0xFF01CFD1)
YUV	145.6340, 31.2394, -126.8440
Hunter-Lab	70.1680, -36.7184, -8.3829

Details

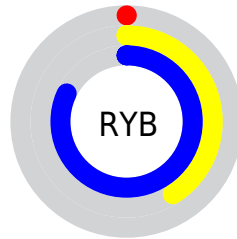
The Yxy color **49.2355, 0.2239, 0.3258** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.6286, 0.6386, 0.3304**, and the grayscale version is **28.5147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **24.8230, 0.2230, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **49.2245, 0.2238, 0.3258**, and if you desaturate by 10%, it is **49.4993, 0.2253, 0.3261**.

Distribution



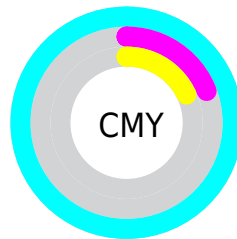
- Red (0%)
- Green (81%)
- Blue (82%)



- Red (0%)
- Yellow (41%)
- Blue (82%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2355, 0.2239, 0.3258 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 49.2355, 0.2239, 0.3258 by changing the saturation by 10% instead.


 49.2355, 0.2239,
0.3258


 49.2355, 0.2239,
0.3258


383.6687, 0.2665,
0.3288

 34.8063, 0.2139,
0.3247


 89.0411, 0.2389,
0.3272

 23.5137, 0.2014,
0.3230


 115.1864, 0.2447,
0.3276

 14.9733, 0.1855,
0.3204


 146.0058, 0.2497,
0.3279

 8.8006, 0.1645,
0.3161

 181.8837, 0.2539,
0.3282

 4.6114, 0.1362,
0.3086

 223.2045, 0.2577,
0.3284

 2.0211, 0.0952,
0.2942

270.3527, 0.2610,

 0.6197, 0.0000,

0.3286

0.2634

323.7127, 0.2639,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 49.2355, 0.2239,
0.3258

■ 49.2355, 0.2239,
0.3258

■ 49.2245, 0.2238,
0.3258

■ 49.4993, 0.2253,
0.3261

■ 49.9390, 0.2282,
0.3264

■ 50.6100, 0.2329,
0.3268

■ 51.5434, 0.2395,
0.3271

■ 52.7654, 0.2481,
0.3274

■ 54.2993, 0.2584,
0.3278

■ 56.1657, 0.2704,
0.3281

■ 58.3837, 0.2838,
0.3284

■ 60.9709, 0.2983,
0.3287

Harmonies

Analogous

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



49.2355, 0.2623, 0.3853



49.2355, 0.2239, 0.3258



49.2355, 0.2086, 0.2748

Triad

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



49.2355, 0.2239, 0.3258



49.2355, 0.3001, 0.2508



49.2355, 0.4145, 0.4079

Complementary

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



49.2355, 0.2239, 0.3258



13.6286, 0.6386, 0.3304

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.



49.2355, 0.4292, 0.3664



49.2355, 0.2239, 0.3258



49.2355, 0.3598, 0.2803

Square

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



49.2355, 0.2239, 0.3258



49.2355, 0.2492, 0.2377



49.2355, 0.4090, 0.3211



49.2355, 0.3724, 0.4334

Rectangle

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



49.2355, 0.2239, 0.3258



49.2355, 0.2118, 0.2523



49.2355, 0.4090, 0.3211



49.2355, 0.4230, 0.3951

Sweetspot

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



49.2373, 0.2239, 0.3258



87.7921, 0.2692, 0.3281



45.6180, 0.3000, 0.5996



18.5143, 0.2640, 0.3279



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.



49.2373, 0.2239, 0.3258



77.1734, 0.2238, 0.3258



14.7315, 0.1772, 0.1574



13.3866, 0.2983, 0.3287



30.3547, 0.2238, 0.3258



1.7037, 0.2240, 0.3264

Inverse Universe

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



18.0874, 0.3233, 0.1557



28.3219, 0.3234, 0.1555



23.6799, 0.5408, 0.4083



12.0070, 0.3139, 0.3063



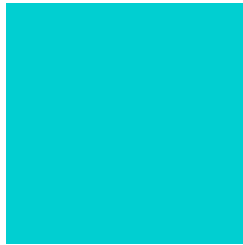
11.1356, 0.3233, 0.1555



0.6233, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 49.2355, 0.2239, 0.3258 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 49.2355, 0.2239, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

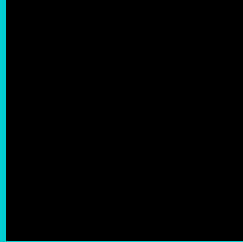
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2355, 0.2239, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 49.2355, 0.2239, 0.3258.



This preview shows how white text looks on a background with the Yxy color 49.2355, 0.2239, 0.3258.

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

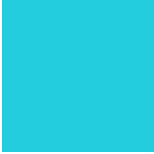
49.2355, 0.2239, 0.3258

Protanopia

48.5354, 0.3051, 0.3151

Deuteranopia

48.2402, 0.2926, 0.2862



Tritanopia

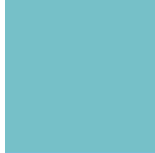
49.2939, 0.2208, 0.3048

Trichromacy



Original Color

49.2355, 0.2239, 0.3258



Protanomaly

45.7210, 0.2552, 0.3175



Deuteranomaly

45.6241, 0.2486, 0.2971



Tritanomaly

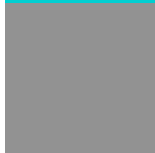
49.3345, 0.2217, 0.3130

Monochromacy



Original Color

49.2355, 0.2239, 0.3258



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.1970, 0.2531, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2355, 0.2239, 0.3258 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, 207, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 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, 207, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 209) }
```

Border

The CSS property to change the border of an element to Yxy 49.2355, 0.2239, 0.3258 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, 207, 209) }
```

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

```
.border{ border-color:rgb(1, 207, 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, 207, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2355, 0.2239, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 209) }
```

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

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