

Converting Colors

$Y_{xy}(50.8069, 0.2240, 0.3263)$

Have a look what the booklet for
Yxy(50.8069, 0.2240, 0.3263)
contains.

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Color

Yxy(50.8467, 0.2239, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	01D2D4
RGB	1, 210, 212
RGB Percent	0%, 82%, 83%
CMY	0.9974, 0.1765, 0.1687
CMYK	1.00, 0.01, 0.00, 0.17
HSL	181°, 99%, 42%
HSV	181°, 100%, 83%
XYZ	34.9327, 50.8467, 70.2399
YIQ	147.7370, -125.2060, -43.6860

Conversions

Conversions Part 2

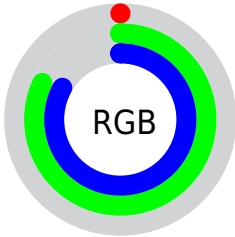
Format	Color
R _{YB}	1, 106, 212
Decimal	119508
CIE _{Lab}	76.59, -40.93, -13.18
CIE _{LCh}	77, 42.995, 197.851
Yxy	50.8467, 0.2239, 0.3259
Android (android.graphics.Color)	4278309588 (0xFF01D2D4)
YUV	147.7370, 31.6817, -128.6883
Hunter-Lab	71.3069, -37.3411, -8.4880

Details

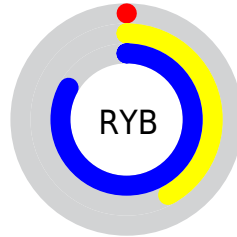
The Yxy color **50.8467, 0.2239, 0.3259** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.0510, 0.6390, 0.3304**, and the grayscale version is **29.3565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **25.8770, 0.2236, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **50.8414, 0.2239, 0.3259**, and if you desaturate by 10%, it is **51.1110, 0.2253, 0.3262**.

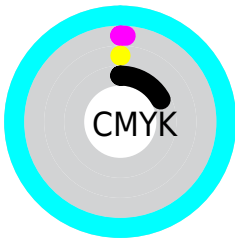
Distribution



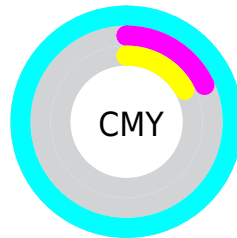
- Red (0%)
- Green (82%)
- Blue (83%)



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



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




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8467, 0.2239, 0.3259 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 50.8467, 0.2239, 0.3259 by changing the saturation by 10% instead.


 50.8467, 0.2239,
0.3259


 50.8467, 0.2239,
0.3259

389.9679, 0.2663,
0.3288


 36.0866, 0.2140,
0.3248


 91.4281, 0.2388,
0.3273

 24.5011, 0.2017,
0.3232


 118.0183, 0.2445,
0.3277

 15.7058, 0.1860,
0.3206


 149.3205, 0.2495,
0.3280

 9.3162, 0.1656,
0.3166

 185.7194, 0.2537,
0.3282

 4.9480, 0.1379,
0.3093

 227.5991, 0.2575,
0.3284

 2.2168, 0.0994,
0.2954

275.3442, 0.2607,

 0.7291, 0.0000,

0.3286

0.2745

329.3390, 0.2637,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 50.8467, 0.2239,
0.3259

■ 50.8467, 0.2239,
0.3259

■ 50.8414, 0.2239,
0.3259

■ 51.1110, 0.2253,
0.3262

■ 51.5546, 0.2281,
0.3265

■ 52.2361, 0.2328,
0.3268

■ 53.1880, 0.2393,
0.3272

■ 54.4376, 0.2478,
0.3275

■ 56.0090, 0.2581,
0.3278

■ 57.9236, 0.2700,
0.3281

■ 60.2012, 0.2834,
0.3284

■ 62.8600, 0.2979,
0.3287

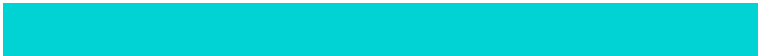
Harmonies

Analogous

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



50.8467, 0.2623, 0.3854



50.8467, 0.2239, 0.3259



50.8467, 0.2085, 0.2748

Triad

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



50.8467, 0.2239, 0.3259



50.8467, 0.3000, 0.2507



50.8467, 0.4146, 0.4078

Complementary

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



50.8467, 0.2239, 0.3259



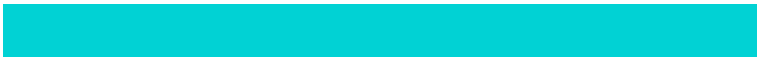
14.0510, 0.6390, 0.3304

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.



50.8467, 0.4293, 0.3663



50.8467, 0.2239, 0.3259



50.8467, 0.3597, 0.2803

Square

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



50.8467, 0.2239, 0.3259



50.8467, 0.2491, 0.2377



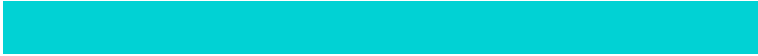
50.8467, 0.4090, 0.3211



50.8467, 0.3725, 0.4334

Rectangle

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



50.8467, 0.2239, 0.3259



50.8467, 0.2118, 0.2523



50.8467, 0.4090, 0.3211



50.8467, 0.4231, 0.3950

Sweetspot

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



50.8486, 0.2239, 0.3259



87.8097, 0.2692, 0.3281



47.0777, 0.3000, 0.5998



18.5186, 0.2640, 0.3280



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.



50.8486, 0.2239, 0.3259



77.2313, 0.2239, 0.3259



15.1286, 0.1770, 0.1568



14.0871, 0.2983, 0.3287



31.4058, 0.2239, 0.3259



1.9008, 0.2240, 0.3264

Inverse Universe

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



18.6599, 0.3233, 0.1555



28.3277, 0.3233, 0.1555



24.3665, 0.5414, 0.4080



12.6306, 0.3139, 0.3062



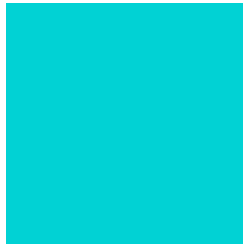
11.5153, 0.3232, 0.1554



0.6952, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 50.8467, 0.2239, 0.3259 looks on a white background.

Color Contrast Check

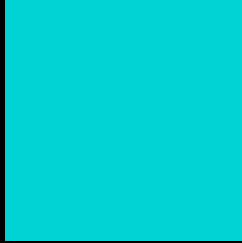
Large Text (above 18pt) WCAG AA × Fail

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 50.8467, 0.2239, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

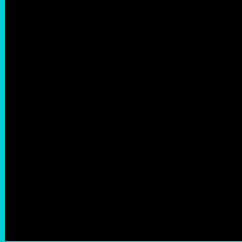
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8467, 0.2239, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 50.8467, 0.2239, 0.3259.



This preview shows how white text looks on a background with the Yxy color 50.8467, 0.2239, 0.3259.

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

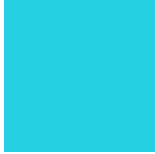
50.8531, 0.2239, 0.3259

Protanopia

49.8404, 0.3060, 0.3152

Deuteranopia

50.0053, 0.2929, 0.2868



Tritanopia

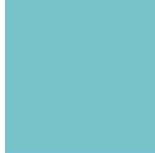
50.9231, 0.2209, 0.3051

Trichromacy



Original Color

50.8531, 0.2239, 0.3259



Protanomaly

47.2876, 0.2559, 0.3190



Deuteranomaly

47.2354, 0.2488, 0.2976



Tritanomaly

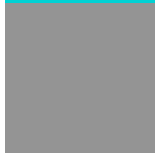
50.9504, 0.2218, 0.3132

Monochromacy



Original Color

50.8531, 0.2239, 0.3259



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.4458, 0.2533, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8467, 0.2239, 0.3259 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, 210, 212)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 212)  
}
```

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, 210, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 212) }
```

Border

The CSS property to change the border of an element to Yxy 50.8467, 0.2239, 0.3259 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, 210, 212) }
```

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

```
.border{ border-color:rgb(1, 210, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 210, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 212);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8467, 0.2239, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 212) }
```

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

```
.background{ background-color: rgb(1, 210,  
212) }
```

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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