

Converting Colors

$Y_{xy}(54.3365, 0.2259, 0.3331)$

Have a look what the booklet for
Yxy(54.3365, 0.2259, 0.3331)
contains.

Yxy(54.4872, 0.2259, 0.3330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.4872, 0.2259, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	01D9D6
RGB	1, 217, 214
RGB Percent	0%, 85%, 84%
CMY	0.9951, 0.1490, 0.1608
CMYK	0.99, 0.00, 0.01, 0.15
HSL	179°, 99%, 43%
HSV	179°, 99%, 85%
XYZ	36.9629, 54.4872, 72.1751
YIQ	152.0740, -127.7730, -46.7250

Conversions

Conversions Part 2

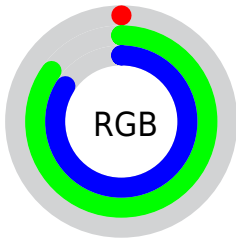
Format	Color
RYB	1, 110, 217
Decimal	121302
CIELab	78.74, -43.42, -11.03
CIELCh	79, 44.802, 194.253
Yxy	54.4872, 0.2259, 0.3330
Android (android.graphics.Color)	4278311382 (0xFF01D9D6)
YUV	152.0740, 30.5295, -132.4919
Hunter-Lab	73.8154, -39.7935, -6.3016

Details

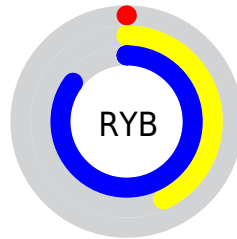
The Yxy color **54.4872, 0.2259, 0.3330** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.7885, 0.6380, 0.3293**, and the grayscale version is **31.3735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **27.9929, 0.2257, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **54.4803, 0.2258, 0.3330**, and if you desaturate by 10%, it is **54.6783, 0.2271, 0.3326**.

Distribution



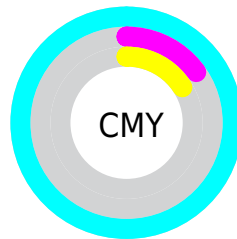
- Red (0%)
- Green (85%)
- Blue (84%)



- Red (0%)
- Yellow (43%)
- Blue (85%)



- Cyan (99%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4872, 0.2259, 0.3330 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 54.4872, 0.2259, 0.3330 by changing the saturation by 10% instead.


 54.4872, 0.2259,
0.3330


 54.4872, 0.2259,
0.3330


403.9651, 0.2669,
0.3323

 38.9913, 0.2164,
0.3328


 96.7892, 0.2403,
0.3330


 26.7530, 0.2046,
0.3324


 124.3641, 0.2458,
0.3330

 17.3878, 0.1897,
0.3315


 156.7342, 0.2506,
0.3329

 10.5114, 0.1702,
0.3297

 194.2837, 0.2547,
0.3328

 5.7393, 0.1441,
0.3259

 237.3972, 0.2584,
0.3326

 2.6872, 0.1081,
0.3177

286.4590, 0.2616,

 0.9707, 0.0000,

0.3325

0.3154

341.8535, 0.2644,
0.3324

■ 0.0000, 0.0000,
0.0000

■ 54.4872, 0.2259,
0.3330

■ 54.4872, 0.2259,
0.3330

■ 54.4803, 0.2258,
0.3330

■ 54.6783, 0.2271,
0.3326

■ 55.0622, 0.2298,
0.3321

■ 55.6982, 0.2342,
0.3317

■ 56.6206, 0.2406,
0.3312

■ 57.8580, 0.2490,
0.3308

■ 59.4360, 0.2591,
0.3304

■ 61.3774, 0.2709,
0.3300

■ 63.7028, 0.2841,
0.3296

■ 66.4317, 0.2984,
0.3293

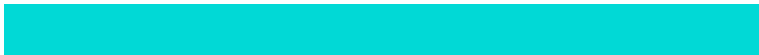
Harmonies

Analogous

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



54.4872, 0.2674, 0.3932



54.4872, 0.2259, 0.3330



54.4872, 0.2074, 0.2790

Triad

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



54.4872, 0.2259, 0.3330



54.4872, 0.2928, 0.2469



54.4872, 0.4199, 0.4045

Complementary

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



54.4872, 0.2259, 0.3330



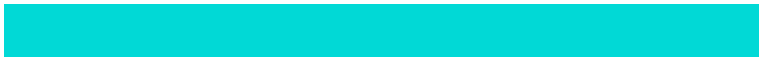
14.7885, 0.6380, 0.3293

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.



54.4872, 0.4308, 0.3612



54.4872, 0.2259, 0.3330



54.4872, 0.3534, 0.2751

Square

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



54.4872, 0.2259, 0.3330



54.4872, 0.2429, 0.2360



54.4872, 0.4060, 0.3155



54.4872, 0.3796, 0.4336

Rectangle

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



54.4872, 0.2259, 0.3330



54.4872, 0.2088, 0.2543



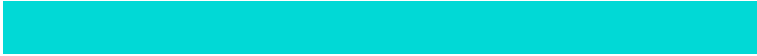
54.4872, 0.4060, 0.3155



54.4872, 0.4273, 0.3910

Sweetspot

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



54.4892, 0.2259, 0.3330



88.1955, 0.2698, 0.3300



49.6610, 0.3003, 0.5994



18.6128, 0.2647, 0.3302



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.



54.4892, 0.2259, 0.3330



78.5123, 0.2259, 0.3331



16.7660, 0.1786, 0.1626



14.8263, 0.2984, 0.3293



32.9800, 0.2258, 0.3330



2.1376, 0.2256, 0.3322

Inverse Universe

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



14.7885, 0.6380, 0.3293



21.2678, 0.6391, 0.3294



24.9661, 0.5460, 0.4042



13.0545, 0.3289, 0.3287



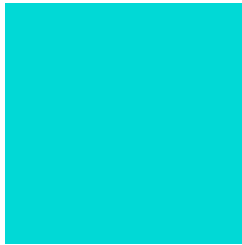
8.9352, 0.6385, 0.3291



0.5799, 0.6336, 0.3264

Previews

White Background



This preview shows how the Yxy color 54.4872, 0.2259, 0.3330 looks on a white background.

Color Contrast Check

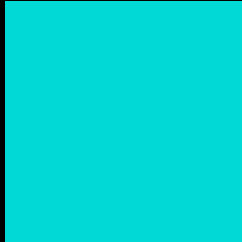
Large Text (above 18pt) WCAG AA × Fail

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 54.4872, 0.2259, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

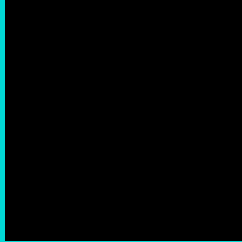
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

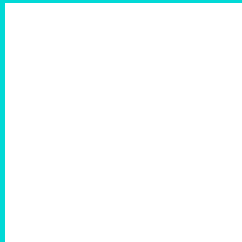
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.4872, 0.2259, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 54.4872, 0.2259, 0.3330.



This preview shows how white text looks on a background with the Yxy color 54.4872, 0.2259, 0.3330.

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

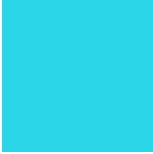
54.4872, 0.2259, 0.3330

Protanopia

53.4249, 0.3099, 0.3205

Deuteranopia

53.2759, 0.2978, 0.2914



Tritanopia

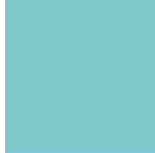
54.4116, 0.2214, 0.3044

Trichromacy



Original Color

54.4872, 0.2259, 0.3330



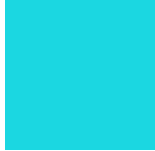
Protanomaly

50.4929, 0.2588, 0.3247



Deuteranomaly

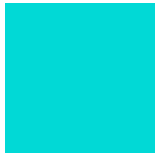
50.4208, 0.2518, 0.3035



Tritanomaly

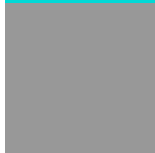
54.2701, 0.2225, 0.3150

Monochromacy



Original Color

54.4872, 0.2259, 0.3330



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.6872, 0.2539, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4872, 0.2259, 0.3330 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, 217, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 217, 214)  
}
```

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, 217, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 217, 214) }
```

Border

The CSS property to change the border of an element to Yxy 54.4872, 0.2259, 0.3330 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, 217, 214) }
```

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

```
.border{ border-color:rgb(1, 217, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 217, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 217, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 217, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 217,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4872, 0.2259, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 217, 214) }
```

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

```
.background{ background-color: rgb(1, 217,  
214) }
```

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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