

Converting Colors

$Y_{xy}(50.3080, 0.1908, 0.3290)$

Have a look what the booklet for
Yxy(50.3080, 0.1908, 0.3290)
contains.

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Color

Yxy(54.5836, 0.2250, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	00D9D8
RGB	0, 217, 216
RGB Percent	0%, 85%, 85%
CMY	1.0000, 0.1490, 0.1528
CMYK	1.00, 0.00, 0.00, 0.15
HSL	180°, 100%, 43%
HSV	180°, 100%, 85%
XYZ	37.2048, 54.5836, 73.5663
YIQ	152.0030, -129.0110, -46.3150

Conversions

Conversions Part 2

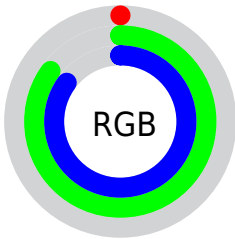
Format	Color
RYB	0, 109, 217
Decimal	55768
CIELab	78.80, -42.87, -12.05
CIELCh	79, 44.530, 195.697
Yxy	54.5836, 0.2250, 0.3301
Android (android.graphics.Color)	4278245848 (0xFF00D9D8)
YUV	152.0030, 31.5505, -133.3066
Hunter-Lab	73.8807, -39.4023, -7.3212

Details

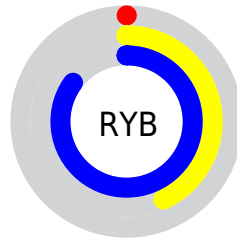
The Yxy color **54.5836, 0.2250, 0.3301** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.7551, 0.6397, 0.3298**, and the grayscale version is **31.3078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **28.0629, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **54.5899, 0.2250, 0.3301**, and if you desaturate by 10%, it is **54.7621, 0.2263, 0.3300**.

Distribution



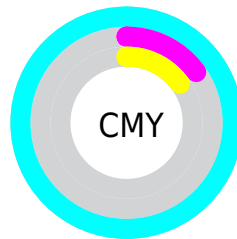
- Red (0%)
- Green (85%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5836, 0.2250, 0.3301 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 54.5836, 0.2250, 0.3301 by changing the saturation by 10% instead.


 54.5836, 0.2250,
0.3301


 54.5836, 0.2250,
0.3301


404.3316, 0.2664,
0.3309


 39.0684, 0.2154,
0.3295

 96.9306, 0.2395,
0.3307


 26.8130, 0.2036,
0.3286


 124.5312, 0.2451,
0.3308

 17.4328, 0.1886,
0.3271


 156.9291, 0.2499,
0.3309

 10.5436, 0.1691,
0.3245

 194.5087, 0.2541,
0.3309

 5.7608, 0.1430,
0.3195

 237.6543, 0.2577,
0.3309

 2.7002, 0.1072,
0.3095

286.7504, 0.2610,

 0.9773, 0.0000,

0.3309

342.1814, 0.2638,
0.3309

0.3037

■ 0.0000, 0.0000,
0.0000

■ 54.5836, 0.2250,
0.3301

■ 54.5836, 0.2250,
0.3301

■ 54.5899, 0.2250,
0.3301

■ 54.7621, 0.2263,
0.3300

■ 55.1223, 0.2289,
0.3298

■ 55.7323, 0.2333,
0.3297

■ 56.6268, 0.2397,
0.3296

■ 57.8349, 0.2479,
0.3295

■ 59.3821, 0.2580,
0.3293

■ 61.2914, 0.2698,
0.3292

■ 63.5837, 0.2831,
0.3291

■ 66.2782, 0.2975,
0.3291

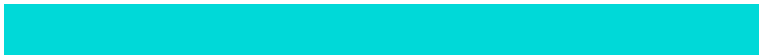
Harmonies

Analogous

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



54.5836, 0.2653, 0.3901



54.5836, 0.2250, 0.3301



54.5836, 0.2078, 0.2772

Triad

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



54.5836, 0.2250, 0.3301



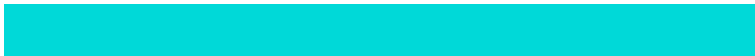
54.5836, 0.2957, 0.2483



54.5836, 0.4178, 0.4059

Complementary

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



54.5836, 0.2250, 0.3301



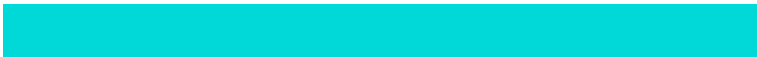
14.7551, 0.6397, 0.3298

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.



54.5836, 0.4303, 0.3633



54.5836, 0.2250, 0.3301



54.5836, 0.3560, 0.2771

Square

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



54.5836, 0.2250, 0.3301



54.5836, 0.2453, 0.2366



54.5836, 0.4073, 0.3177



54.5836, 0.3768, 0.4336

Rectangle

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



54.5836, 0.2250, 0.3301



54.5836, 0.2099, 0.2534



54.5836, 0.4073, 0.3177



54.5836, 0.4257, 0.3927

Sweetspot

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



54.5899, 0.2250, 0.3301



88.2423, 0.2695, 0.3292



49.6533, 0.3003, 0.5998



18.6242, 0.2643, 0.3293



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.



54.5899, 0.2250, 0.3301



78.6669, 0.2250, 0.3301



16.6252, 0.1782, 0.1616



14.8285, 0.2983, 0.3291



33.0434, 0.2250, 0.3301



2.1410, 0.2250, 0.3299

Inverse Universe

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



14.7551, 0.6397, 0.3298



21.2625, 0.6398, 0.3298



24.8332, 0.5472, 0.4037



13.0525, 0.3291, 0.3289



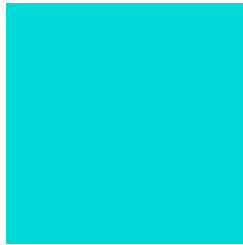
8.9316, 0.6396, 0.3297



0.5790, 0.6380, 0.3288

Previews

White Background



This preview shows how the Yxy color 54.5836, 0.2250, 0.3301 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 54.5836, 0.2250, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

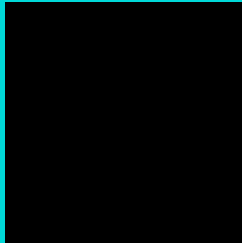
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

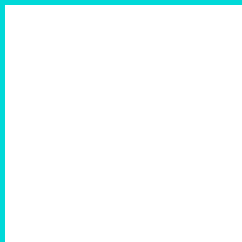
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.5836, 0.2250, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 54.5836, 0.2250, 0.3301.



This preview shows how white text looks on a background with the Yxy color 54.5836, 0.2250, 0.3301.

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

54.5836, 0.2250, 0.3301

Protanopia

53.5184, 0.3084, 0.3181

Deuteranopia

53.8112, 0.2964, 0.2903



Tritanopia

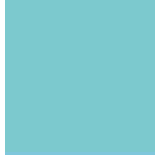
54.8782, 0.2214, 0.3058

Trichromacy



Original Color

54.5836, 0.2250, 0.3301



Protanomaly

50.5146, 0.2572, 0.3220



Deuteranomaly

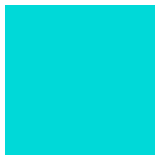
50.5262, 0.2508, 0.3010



Tritanomaly

54.8094, 0.2223, 0.3150

Monochromacy



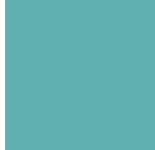
Original Color

54.5836, 0.2250, 0.3301



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 54.5836, 0.2250, 0.3301 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, 217, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 216)  
}
```

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, 217, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 216) }
```

Border

The CSS property to change the border of an element to Yxy 54.5836, 0.2250, 0.3301 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, 217, 216) }
```

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

```
.border{ border-color:rgb(0, 217, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5836, 0.2250, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 216) }
```

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

```
.background{ background-color: rgb(0, 217,  
216) }
```

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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