

Converting Colors

$Y_{xy}(54.0467, 0.2243, 0.3275)$

Have a look what the booklet for
Yxy(54.0467, 0.2243, 0.3275)
contains.

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Color

Yxy(54.1215, 0.2243, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	01D8D9
RGB	1, 216, 217
RGB Percent	0%, 85%, 85%
CMY	0.9964, 0.1530, 0.1490
CMYK	1.00, 0.00, 0.00, 0.15
HSL	180°, 99%, 43%
HSV	180°, 100%, 85%
XYZ	37.0897, 54.1215, 74.1463
YIQ	151.8290, -128.4610, -45.2690

Conversions

Conversions Part 2

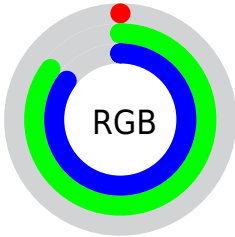
Format	Color
RYB	1, 109, 217
Decimal	121049
CIELab	78.53, -42.09, -12.97
CIELCh	79, 44.043, 197.126
Yxy	54.1215, 0.2243, 0.3273
Android (android.graphics.Color)	4278311129 (0xFF01D8D9)
YUV	151.8290, 32.1293, -132.2770
Hunter-Lab	73.5673, -38.7503, -8.2595

Details

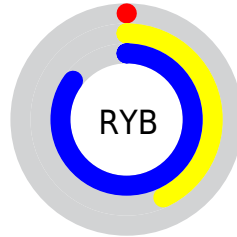
The Yxy color **54.1215, 0.2243, 0.3273** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.7982, 0.6392, 0.3302**, and the grayscale version is **31.2095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **27.7502, 0.2236, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **54.1153, 0.2243, 0.3273**, and if you desaturate by 10%, it is **54.3480, 0.2256, 0.3275**.

Distribution



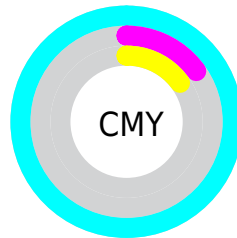
- Red (0%)
- Green (85%)
- Blue (85%)



- 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 54.1215, 0.2243, 0.3273 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 54.1215, 0.2243, 0.3273 by changing the saturation by 10% instead.


 54.1215, 0.2243,
0.3273


 54.1215, 0.2243,
0.3273


402.5732, 0.2660,
0.3295


 38.6988, 0.2147,
0.3264


 96.2526, 0.2389,
0.3284


 26.5255, 0.2027,
0.3250


 123.7298, 0.2445,
0.3287


 17.2172, 0.1876,
0.3229


 155.9940, 0.2494,
0.3289

 10.3895, 0.1680,
0.3195

 193.4295, 0.2536,
0.3291

 5.6579, 0.1417,
0.3133

 236.4208, 0.2573,
0.3293

 2.6382, 0.1057,
0.3014

285.3523, 0.2606,

 0.9459, 0.0000,

0.3294

0.2916

340.6082, 0.2635,
0.3294

■ 0.0000, 0.0000,
0.0000

■ 54.1215, 0.2243,
0.3273

■ 54.1215, 0.2243,
0.3273

■ 54.1153, 0.2243,
0.3273

■ 54.3480, 0.2256,
0.3275

■ 54.7656, 0.2284,
0.3276

■ 55.4348, 0.2330,
0.3278

■ 56.3899, 0.2395,
0.3280

■ 57.6597, 0.2480,
0.3281

■ 59.2698, 0.2582,
0.3283

■ 61.2429, 0.2702,
0.3285

■ 63.5999, 0.2835,
0.3287

■ 66.3600, 0.2980,
0.3288

Harmonies

Analogous

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



54.1215, 0.2633, 0.3869



54.1215, 0.2243, 0.3273



54.1215, 0.2083, 0.2756

Triad

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



54.1215, 0.2243, 0.3273



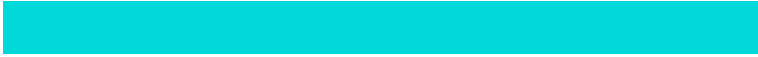
54.1215, 0.2986, 0.2499



54.1215, 0.4157, 0.4072

Complementary

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



54.1215, 0.2243, 0.3273



14.7982, 0.6392, 0.3302

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.



54.1215, 0.4296, 0.3653



54.1215, 0.2243, 0.3273



54.1215, 0.3584, 0.2792

Square

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



54.1215, 0.2243, 0.3273



54.1215, 0.2478, 0.2374



54.1215, 0.4084, 0.3199



54.1215, 0.3739, 0.4335

Rectangle

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



54.1215, 0.2243, 0.3273



54.1215, 0.2112, 0.2527



54.1215, 0.4084, 0.3199



54.1215, 0.4239, 0.3942

Sweetspot

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



54.1235, 0.2243, 0.3273



88.0332, 0.2693, 0.3285



49.6412, 0.3000, 0.5997



18.5732, 0.2641, 0.3284



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.



54.1235, 0.2243, 0.3273



77.9716, 0.2243, 0.3273



15.9467, 0.1770, 0.1567



14.8184, 0.2982, 0.3288



32.7584, 0.2243, 0.3273



2.1257, 0.2243, 0.3276

Inverse Universe

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



19.7313, 0.3221, 0.1549



28.4024, 0.3221, 0.1548



25.6862, 0.5414, 0.4080



13.2737, 0.3139, 0.3061



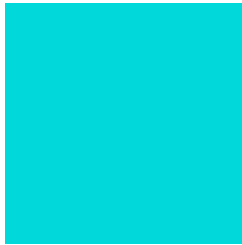
11.9307, 0.3221, 0.1548



0.7733, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 54.1215, 0.2243, 0.3273 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 54.1215, 0.2243, 0.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

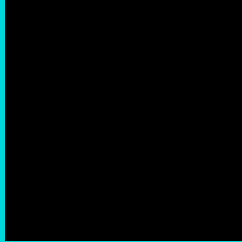
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

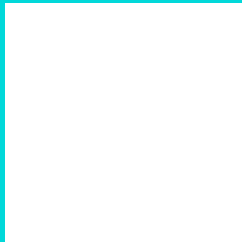
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.1215, 0.2243, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 54.1215, 0.2243, 0.3273.

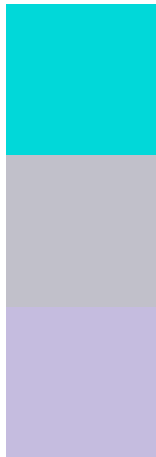


This preview shows how white text looks on a background with the Yxy color 54.1215, 0.2243, 0.3273.

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

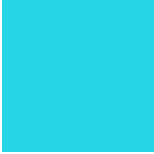
54.1279, 0.2243, 0.3273

Protanopia

53.3010, 0.3061, 0.3168

Deuteranopia

53.1645, 0.2941, 0.2878



Tritanopia

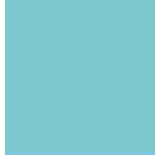
54.2747, 0.2212, 0.3057

Trichromacy



Original Color

54.1279, 0.2243, 0.3273



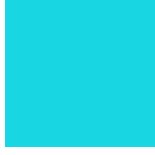
Protanomaly

50.4892, 0.2561, 0.3207



Deuteranomaly

50.0442, 0.2495, 0.2983



Tritanomaly

54.2985, 0.2220, 0.3136

Monochromacy



Original Color

54.1279, 0.2243, 0.3273



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.3359, 0.2530, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1215, 0.2243, 0.3273 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, 216, 217)` looks like.

```
.text, #text, p{  
    color:rgb(1, 216, 217)  
}
```

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, 216, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 216, 217) }
```

Border

The CSS property to change the border of an element to Yxy 54.1215, 0.2243, 0.3273 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, 216, 217) }
```

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

```
.border{ border-color:rgb(1, 216, 217) }
```

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

Here you see how a box with a 4 pixel rgb(1, 216, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 216, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 216, 217);  
box-shadow:4px 4px 4px 4px rgb(1, 216,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1215, 0.2243, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 216, 217) }
```

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

```
.background{ background-color: rgb(1, 216,  
217) }
```

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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