

Converting Colors

$Yxy(53.7517, 0.2222, 0.3201)$

Have a look what the booklet for
Yxy(53.7517, 0.2222, 0.3201)
contains.

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Color

Yxy(53.8213, 0.2223, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	00D7DD
RGB	0, 215, 221
RGB Percent	0%, 84%, 87%
CMY	1.0000, 0.1568, 0.1334
CMYK	1.00, 0.03, 0.00, 0.13
HSL	182°, 100%, 43%
HSV	182°, 100%, 87%
XYZ	37.3423, 53.8213, 76.8180
YIQ	151.3990, -130.0660, -43.7140

Conversions

Conversions Part 2

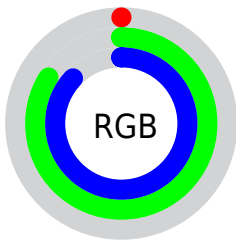
Format	Color
RYB	0, 109, 221
Decimal	55261
CIELab	78.36, -40.51, -15.36
CIELCh	78, 43.322, 200.766
Yxy	53.8213, 0.2223, 0.3204
Android (android.graphics.Color)	4278245341 (0xFF00D7DD)
YUV	151.3990, 34.3133, -132.7769
Hunter-Lab	73.3630, -37.5274, -10.7281

Details

The Yxy color **53.8213, 0.2223, 0.3204** 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 **15.5000, 0.6385, 0.3312**, and the grayscale version is **31.0224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **27.5494, 0.2211, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **53.8284, 0.2223, 0.3204**, and if you desaturate by 10%, it is **54.3049, 0.2239, 0.3213**.

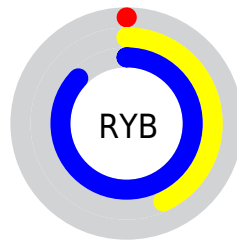
Distribution



Red (0%)

Green (84%)

Blue (87%)



Red (0%)

Yellow (43%)

Blue (87%)

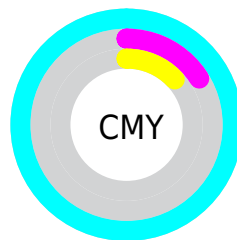


Cyan (100%)

Magenta (3%)

Yellow (0%)

Black (13%)



Cyan (100%)


Magenta (16%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8213, 0.2223, 0.3204 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 53.8213, 0.2223, 0.3204 by changing the saturation by 10% instead.


 53.8213, 0.2223,
0.3204


 53.8213, 0.2223,
0.3204


401.4282, 0.2649,
0.3261

 38.4588, 0.2125,
0.3186


 95.8118, 0.2372,
0.3227

 26.3390, 0.2004,
0.3162


 123.2086, 0.2429,
0.3235


 17.0774, 0.1851,
0.3127

 155.3857, 0.2479,
0.3242

 10.2897, 0.1652,
0.3073

 192.7274, 0.2522,
0.3247

 5.5915, 0.1389,
0.2984

 235.6180, 0.2560,
0.3251

 2.5983, 0.1030,
0.2826

284.4422, 0.2593,

 0.9258, 0.0000,

0.3255

0.2650

339.5841, 0.2622,
0.3258

0.0000, 0.0000,
0.0000

53.8213, 0.2223,
0.3204

53.8213, 0.2223,
0.3204

53.8284, 0.2223,
0.3204

54.3049, 0.2239,
0.3213

54.9790, 0.2268,
0.3222

55.9147, 0.2316,
0.3231

57.1484, 0.2383,
0.3240

58.7104, 0.2469,
0.3249

■ 60.6274, 0.2573,
0.3258

■ 62.9236, 0.2694,
0.3267

■ 65.6206, 0.2828,
0.3275

■ 68.7388, 0.2974,
0.3283

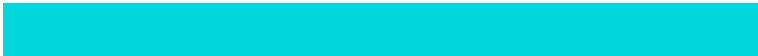
Harmonies

Analogous

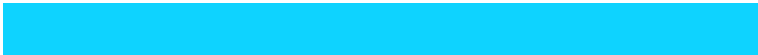
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8213, 0.2584, 0.3793



53.8213, 0.2223, 0.3204



53.8213, 0.2094, 0.2716

Triad

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



53.8213, 0.2223, 0.3204



53.8213, 0.3058, 0.2536



53.8213, 0.4105, 0.4105

Complementary

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



53.8213, 0.2223, 0.3204



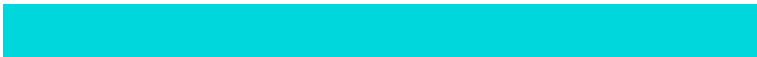
15.5000, 0.6385, 0.3312

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.



53.8213, 0.4280, 0.3703



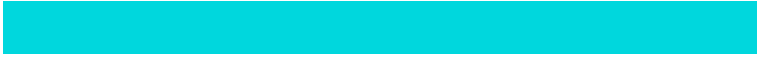
53.8213, 0.2223, 0.3204



53.8213, 0.3647, 0.2843

Square

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



53.8213, 0.2223, 0.3204



53.8213, 0.2539, 0.2390



53.8213, 0.4113, 0.3255



53.8213, 0.3669, 0.4333

Rectangle

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



53.8213, 0.2223, 0.3204



53.8213, 0.2141, 0.2508



53.8213, 0.4113, 0.3255



53.8213, 0.4198, 0.3983

Sweetspot

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



53.8284, 0.2223, 0.3204



86.9520, 0.2691, 0.3266



51.7149, 0.2998, 0.5992



18.3094, 0.2638, 0.3263



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.



53.8284, 0.2223, 0.3204



74.4208, 0.2223, 0.3203



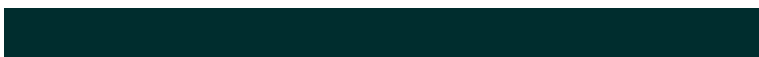
15.6959, 0.1751, 0.1503



14.7660, 0.2982, 0.3283



31.3019, 0.2224, 0.3205



2.0473, 0.2228, 0.3220

Inverse Universe

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



20.2774, 0.3279, 0.1580



28.0440, 0.3279, 0.1580



27.4450, 0.5375, 0.4114



13.2685, 0.3142, 0.3066



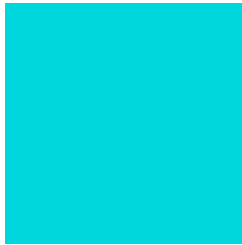
11.7837, 0.3277, 0.1579



0.7654, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 53.8213, 0.2223, 0.3204 looks on a white background.

Color Contrast Check

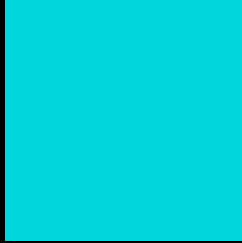
Large Text (above 18pt) WCAG AA × Fail

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 53.8213, 0.2223, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

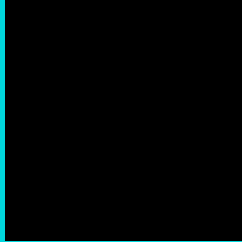
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.8213, 0.2223, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 53.8213, 0.2223, 0.3204.

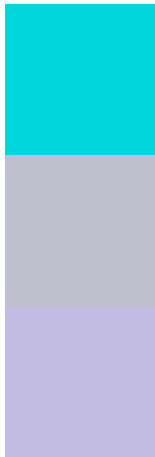


This preview shows how white text looks on a background with the Yxy color 53.8213, 0.2223, 0.3204.

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

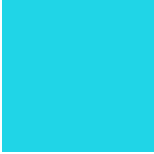
53.8213, 0.2223, 0.3204

Protanopia

52.9243, 0.3024, 0.3107

Deuteranopia

52.9818, 0.2891, 0.2831



Tritanopia

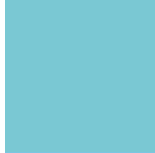
53.6651, 0.2200, 0.3042

Trichromacy



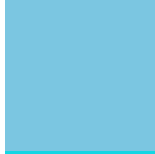
Original Color

53.8213, 0.2223, 0.3204



Protanomaly

50.1493, 0.2531, 0.3139



Deuteranomaly

50.0354, 0.2458, 0.2932



Tritanomaly

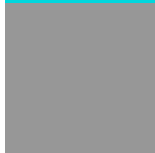
53.7879, 0.2208, 0.3109

Monochromacy



Original Color

53.8213, 0.2223, 0.3204



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.8935, 0.2522, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8213, 0.2223, 0.3204 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, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 221)  
}
```

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, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 221) }
```

Border

The CSS property to change the border of an element to Yxy 53.8213, 0.2223, 0.3204 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, 215, 221) }
```

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

```
.border{ border-color:rgb(0, 215, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8213, 0.2223, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 221) }
```

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

```
.background{ background-color: rgb(0, 215,  
221) }
```

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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