

Converting Colors

$Y_{xy}(53.3423, 0.2344, 0.3639)$

Have a look what the booklet for
Yxy(53.3423, 0.2344, 0.3639)
contains.

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Color

Yxy(53.4760, 0.2345, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	00D9C1
RGB	0, 217, 193
RGB Percent	0%, 85%, 76%
CMY	0.9983, 0.1490, 0.2432
CMYK	1.00, 0.00, 0.11, 0.15
HSL	173°, 100%, 43%
HSV	173°, 100%, 85%
XYZ	34.4414, 53.4760, 58.9543
YIQ	149.3810, -121.6280, -53.4680

Conversions

Conversions Part 2

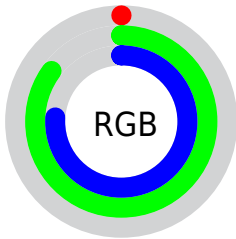
Format	Color
RYB	0, 115, 217
Decimal	55745
CIELab	78.16, -49.38, -0.67
CIELCh	78, 49.380, 180.782
Yxy	53.4760, 0.2345, 0.3641
Android (android.graphics.Color)	4278245825 (0xFF00D9C1)
YUV	149.3810, 21.5042, -131.0071
Hunter-Lab	73.1273, -43.9030, 3.3902

Details

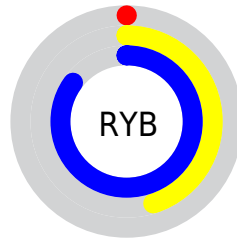
The Yxy color **53.4760, 0.2345, 0.3641** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.8286, 0.6279, 0.3234**, and the grayscale version is **30.2258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5477, 0.2431, 0.3358**, and **27.3832, 0.2361, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **53.4732, 0.2345, 0.3642**, and if you desaturate by 10%, it is **53.7555, 0.2349, 0.3603**.

Distribution



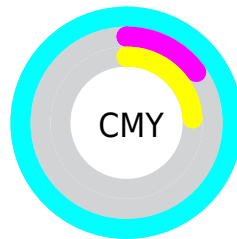
- Red (0%)
- Green (85%)
- Blue (76%)



- Red (0%)
- Yellow (45%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (15%)



- Cyan (100%)
- Magenta (15%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4760, 0.2345, 0.3641 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 53.4760, 0.2345, 0.3641 by changing the saturation by 10% instead.


 53.4760, 0.2345,
0.3641

 53.4760, 0.2345,
0.3641


400.1087, 0.2722,
0.3473


 38.1829, 0.2255,
0.3681


 95.3044, 0.2479,
0.3581


 26.1247, 0.2143,
0.3730


 122.6085, 0.2530,
0.3559


 16.9169, 0.1999,
0.3794


 154.6851, 0.2574,
0.3539

 10.1753, 0.1807,
0.3878

 191.9185, 0.2611,
0.3522

 5.5153, 0.1542,
0.3994

 234.6932, 0.2644,
0.3507

 2.5527, 0.1149,
0.4162

283.3935, 0.2673,

 0.9029, 0.0000,

0.3494

0.4667

338.4039, 0.2699,
0.3483

■ 0.0000, 0.0000,
0.0000

■ 53.4760, 0.2345,
0.3641

■ 53.4760, 0.2345,
0.3641

■ 53.4732, 0.2345,
0.3642

■ 53.7555, 0.2349,
0.3603

■ 54.2251, 0.2368,
0.3565

■ 54.9471, 0.2405,
0.3526

■ 55.9559, 0.2462,
0.3488

■ 57.2806, 0.2538,
0.3450

■ 58.9466, 0.2631,
0.3414

■ 60.9769, 0.2740,
0.3379

■ 63.3923, 0.2861,
0.3347

■ 66.2122, 0.2992,
0.3317

Harmonies

Analogous

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



53.4760, 0.2887, 0.4254



53.4760, 0.2345, 0.3641



53.4760, 0.2029, 0.2973

Triad

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



53.4760, 0.2345, 0.3641



53.4760, 0.2635, 0.2313



53.4760, 0.4412, 0.3904

Complementary

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



53.4760, 0.2345, 0.3641



14.8286, 0.6279, 0.3234

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.



53.4760, 0.4362, 0.3406



53.4760, 0.2345, 0.3641



53.4760, 0.3269, 0.2541

Square

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



53.4760, 0.2345, 0.3641



53.4760, 0.2186, 0.2288



53.4760, 0.3926, 0.2927



53.4760, 0.4090, 0.4324

Rectangle

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



53.4760, 0.2345, 0.3641



53.4760, 0.1966, 0.2630



53.4760, 0.3926, 0.2927



53.4760, 0.4441, 0.3741

Sweetspot

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



53.4780, 0.2345, 0.3641



87.7301, 0.2734, 0.3381



49.8418, 0.3026, 0.5978



18.4996, 0.2687, 0.3395



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.



53.4780, 0.2345, 0.3641



77.0515, 0.2346, 0.3645



22.0570, 0.1881, 0.1971



14.8034, 0.2997, 0.3316



32.3799, 0.2343, 0.3636



2.1050, 0.2326, 0.3574

Inverse Universe

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



14.8286, 0.6279, 0.3234



21.3451, 0.6295, 0.3242



21.0075, 0.5756, 0.3809



13.0749, 0.3274, 0.3264



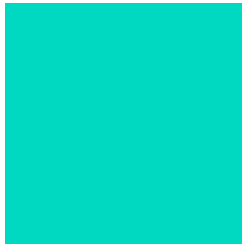
8.9777, 0.6261, 0.3223



0.5897, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 53.4760, 0.2345, 0.3641 looks on a white background.

Color Contrast Check

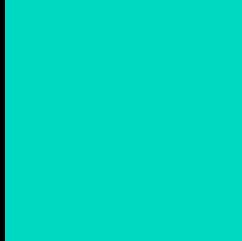
Large Text (above 18pt) WCAG AA × Fail

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 53.4760, 0.2345, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

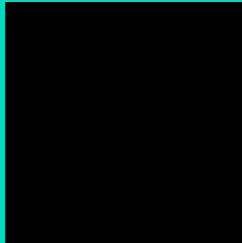
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

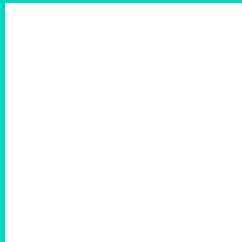
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.4760, 0.2345, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 53.4760, 0.2345, 0.3641.

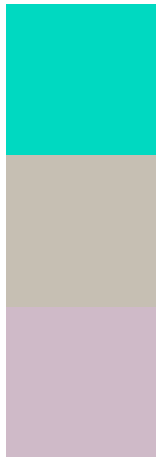


This preview shows how white text looks on a background with the Yxy color 53.4760, 0.2345, 0.3641.

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

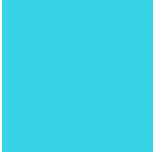
53.4760, 0.2345, 0.3641

Protanopia

52.5220, 0.3278, 0.3439

Deuteranopia

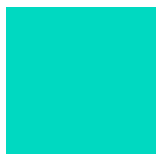
52.5533, 0.3193, 0.3124



Tritanopia

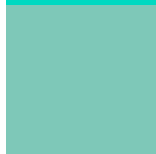
53.5849, 0.2243, 0.3057

Trichromacy



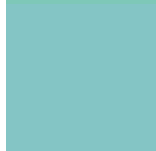
Original Color

53.4760, 0.2345, 0.3641



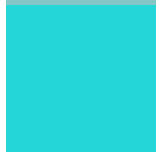
Protanomaly

49.2049, 0.2709, 0.3516



Deuteranomaly

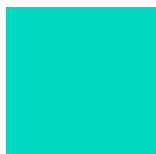
48.8693, 0.2662, 0.3289



Tritanomaly

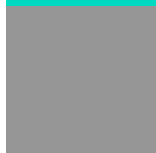
53.4261, 0.2268, 0.3259

Monochromacy



Original Color

53.4760, 0.2345, 0.3641



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.5121, 0.2584, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4760, 0.2345, 0.3641 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 193) }
```

Border

The CSS property to change the border of an element to Yxy 53.4760, 0.2345, 0.3641 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, 193) }
```

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

```
.border{ border-color:rgb(0, 217, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4760, 0.2345, 0.3641 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, 193) }
```

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

```
.background{ background-color: rgb(0, 217,  
193) }
```

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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