

Converting Colors

$Y_{xy}(53.4690, 0.2333, 0.3794)$

Have a look what the booklet for
Yxy(53.4690, 0.2333, 0.3794)
contains.

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Color

Yxy(54.1658, 0.2387, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	00DBB9
RGB	0, 219, 185
RGB Percent	0%, 86%, 73%
CMY	0.9999, 0.1412, 0.2745
CMYK	1.00, 0.00, 0.16, 0.14
HSL	171°, 100%, 43%
HSV	171°, 100%, 86%
XYZ	34.0875, 54.1658, 54.5514
YIQ	149.6430, -119.6100, -57.0020

Conversions

Conversions Part 2

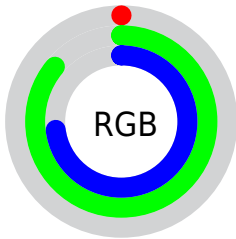
Format	Color
RYB	0, 119, 219
Decimal	56249
CIELab	78.56, -52.34, 4.18
CIELCh	79, 52.506, 175.429
Yxy	54.1658, 0.2387, 0.3793
Android (android.graphics.Color)	4278246329 (0xFF00DBB9)
YUV	149.6430, 17.4310, -131.2369
Hunter-Lab	73.5974, -46.1212, 7.5717

Details

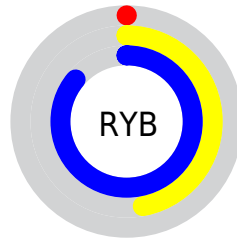
The Yxy color **54.1658, 0.2387, 0.3793** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.1771, 0.6202, 0.3190**, and the grayscale version is **30.3072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0590, 0.2464, 0.3454**, and **27.8603, 0.2417, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **54.1675, 0.2387, 0.3793**, and if you desaturate by 10%, it is **54.4829, 0.2386, 0.3738**.

Distribution



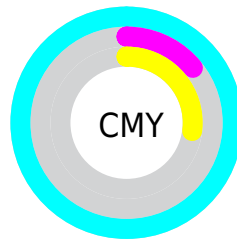
- Red (0%)
- Green (86%)
- Blue (73%)



- Red (0%)
- Yellow (47%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1658, 0.2387, 0.3793 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 54.1658, 0.2387, 0.3793 by changing the saturation by 10% instead.


 54.1658, 0.2387,
0.3793

 54.1658, 0.2387,
0.3793


402.7419, 0.2747,
0.3544

 38.7342, 0.2301,
0.3854


 96.3176, 0.2515,
0.3703


 26.5530, 0.2192,
0.3932


 123.8067, 0.2564,
0.3670

 17.2378, 0.2052,
0.4033


 156.0837, 0.2606,
0.3641

 10.4042, 0.1864,
0.4173

 193.5331, 0.2642,
0.3616

 5.6678, 0.1601,
0.4374

 236.5392, 0.2673,
0.3595

 2.6441, 0.1198,
0.4694

285.4865, 0.2700,

 0.9489, 0.0000,

0.3576

0.5622

340.7592, 0.2725,
0.3559

■ 0.0000, 0.0000,
0.0000

■ 54.1658, 0.2387,
0.3793

■ 54.1658, 0.2387,
0.3793

■ 54.1675, 0.2387,
0.3793

■ 54.4829, 0.2386,
0.3738

■ 54.9937, 0.2401,
0.3683

■ 55.7632, 0.2435,
0.3627

■ 56.8269, 0.2488,
0.3572

■ 58.2145, 0.2560,
0.3518

■ 59.9523, 0.2650,
0.3466

■ 62.0636, 0.2754,
0.3417

■ 64.5700, 0.2870,
0.3371

■ 67.4911, 0.2996,
0.3329

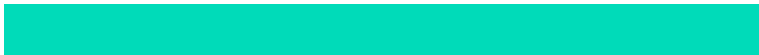
Harmonies

Analogous

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



54.1658, 0.2987, 0.4399



54.1658, 0.2387, 0.3793



54.1658, 0.2011, 0.3066

Triad

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



54.1658, 0.2387, 0.3793



54.1658, 0.2505, 0.2243



54.1658, 0.4506, 0.3837

Complementary

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



54.1658, 0.2387, 0.3793



15.1771, 0.6202, 0.3190

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.



54.1658, 0.4380, 0.3312



54.1658, 0.2387, 0.3793



54.1658, 0.3146, 0.2446

Square

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



54.1658, 0.2387, 0.3793



54.1658, 0.2079, 0.2256



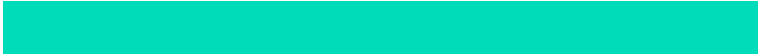
54.1658, 0.3857, 0.2824



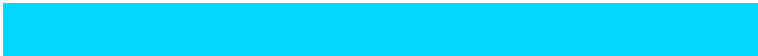
54.1658, 0.4223, 0.4309

Rectangle

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



54.1658, 0.2387, 0.3793



54.1658, 0.1913, 0.2675



54.1658, 0.3857, 0.2824



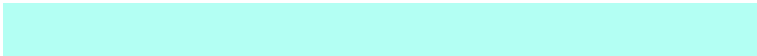
54.1658, 0.4513, 0.3662

Sweetspot

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



54.1679, 0.2387, 0.3793



87.5224, 0.2751, 0.3419



51.0499, 0.3046, 0.5963



18.4493, 0.2705, 0.3439



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.



54.1679, 0.2387, 0.3793



76.4464, 0.2388, 0.3798



25.6765, 0.1930, 0.2149



14.7930, 0.3003, 0.3326



32.1306, 0.2385, 0.3785



2.0912, 0.2360, 0.3695

Inverse Universe

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



15.1771, 0.6202, 0.3190



21.4106, 0.6217, 0.3199



19.8286, 0.5896, 0.3700



13.0843, 0.3267, 0.3254



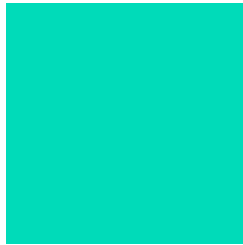
9.0087, 0.6174, 0.3175



0.5941, 0.5767, 0.2951

Previews

White Background



This preview shows how the Yxy color 54.1658, 0.2387, 0.3793 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 54.1658, 0.2387, 0.3793 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

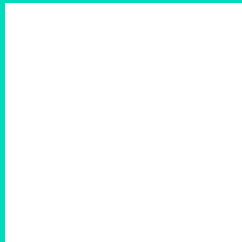
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.1658, 0.2387, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 54.1658, 0.2387, 0.3793.

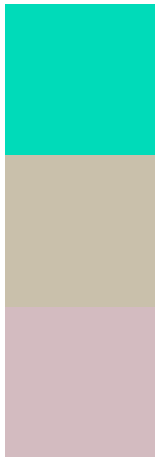


This preview shows how white text looks on a background with the Yxy color 54.1658, 0.2387, 0.3793.

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

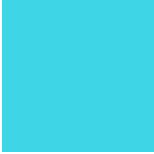
54.1658, 0.2387, 0.3793

Protanopia

53.0571, 0.3365, 0.3550

Deuteranopia

53.1953, 0.3289, 0.3231



Tritanopia

54.3258, 0.2256, 0.3058

Trichromacy



Original Color

54.1658, 0.2387, 0.3793



Protanomaly

49.9648, 0.2773, 0.3659



Deuteranomaly

49.5893, 0.2726, 0.3428



Tritanomaly

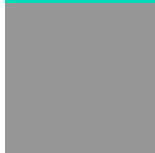
53.8873, 0.2284, 0.3302

Monochromacy



Original Color

54.1658, 0.2387, 0.3793



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.7372, 0.2600, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1658, 0.2387, 0.3793 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, 219, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 185)  
}
```

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, 219, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 185) }
```

Border

The CSS property to change the border of an element to Yxy 54.1658, 0.2387, 0.3793 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, 219, 185) }
```

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

```
.border{ border-color:rgb(0, 219, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1658, 0.2387, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 185) }
```

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

```
.background{ background-color: rgb(0, 219,  
185) }
```

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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