

Converting Colors

$Y_{xy}(52.9923, 0.2395, 0.3820)$

Have a look what the booklet for
Yxy(52.9923, 0.2395, 0.3820)
contains.

Yxy(53.0096, 0.2393, 0.3813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.0096, 0.2393, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	01D9B6
RGB	1, 217, 182
RGB Percent	0%, 85%, 71%
CMY	0.9969, 0.1490, 0.2862
CMYK	1.00, 0.00, 0.16, 0.15
HSL	170°, 99%, 43%
HSV	170°, 100%, 85%
XYZ	33.2683, 53.0096, 52.7455
YIQ	148.4260, -117.5010, -56.6770

Conversions

Conversions Part 2

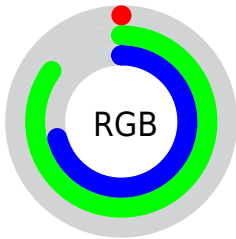
Format	Color
RYB	1, 119, 217
Decimal	121270
CIELab	77.88, -52.29, 4.79
CIELCh	78, 52.505, 174.767
Yxy	53.0096, 0.2393, 0.3813
Android (android.graphics.Color)	4278311350 (0xFF01D9B6)
YUV	148.4260, 16.5520, -129.2926
Hunter-Lab	72.8077, -45.8508, 8.0128

Details

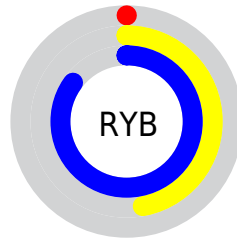
The Yxy color **53.0096, 0.2393, 0.3813** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.8956, 0.6179, 0.3180**, and the grayscale version is **29.7422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8188, 0.2473, 0.3490**, and **27.0747, 0.2425, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **53.0013, 0.2393, 0.3815**, and if you desaturate by 10%, it is **53.3298, 0.2392, 0.3756**.

Distribution



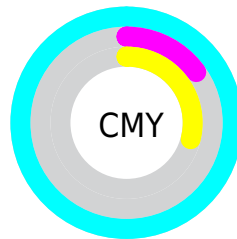
- Red (0%)
- Green (85%)
- Blue (71%)



- Red (0%)
- Yellow (47%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0096, 0.2393, 0.3813 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 53.0096, 0.2393, 0.3813 by changing the saturation by 10% instead.


 53.0096, 0.2393,
0.3813


 53.0096, 0.2393,
0.3813

398.3220, 0.2752,
0.3553

 37.8104, 0.2307,
0.3877


 94.6185, 0.2521,
0.3719


 25.8356, 0.2197,
0.3960


 121.7970, 0.2570,
0.3683


 16.7007, 0.2056,
0.4068

 153.7374, 0.2611,
0.3653

 10.0213, 0.1865,
0.4217

 190.8242, 0.2647,
0.3627

 5.4131, 0.1597,
0.4435

 233.4416, 0.2678,
0.3605

 2.4916, 0.1165,
0.4796

281.9741, 0.2706,

 0.8724, 0.0000,

0.3585

0.5865

336.8061, 0.2730,
0.3568

■ 0.0000, 0.0000,
0.0000

■ 53.0096, 0.2393,
0.3813

■ 53.0096, 0.2393,
0.3813

■ 53.0013, 0.2393,
0.3815

■ 53.3298, 0.2392,
0.3756

■ 53.8440, 0.2407,
0.3698

■ 54.6131, 0.2441,
0.3640

■ 55.6716, 0.2495,
0.3582

■ 57.0484, 0.2567,
0.3526

■ 58.7689, 0.2656,
0.3472

■ 60.8561, 0.2760,
0.3421

■ 63.3308, 0.2876,
0.3373

■ 66.2123, 0.3001,
0.3329

Harmonies

Analogous

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



53.0096, 0.3000, 0.4417



53.0096, 0.2393, 0.3813



53.0096, 0.2009, 0.3079

Triad

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



53.0096, 0.2393, 0.3813



53.0096, 0.2489, 0.2234



53.0096, 0.4518, 0.3827

Complementary

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



53.0096, 0.2393, 0.3813



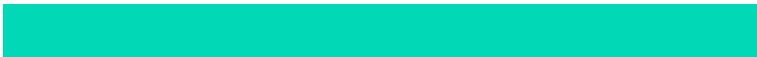
14.8956, 0.6179, 0.3180

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.



53.0096, 0.4381, 0.3300



53.0096, 0.2393, 0.3813



53.0096, 0.3130, 0.2435

Square

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



53.0096, 0.2393, 0.3813



53.0096, 0.2066, 0.2253



53.0096, 0.3848, 0.2811



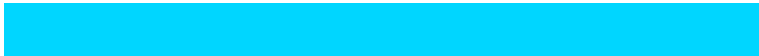
53.0096, 0.4240, 0.4306

Rectangle

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



53.0096, 0.2393, 0.3813



53.0096, 0.1907, 0.2681



53.0096, 0.3848, 0.2811



53.0096, 0.4522, 0.3652

Sweetspot

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



53.0116, 0.2393, 0.3813



87.4925, 0.2753, 0.3424



50.0201, 0.3047, 0.5960



18.4420, 0.2708, 0.3446



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.



53.0116, 0.2393, 0.3813



76.3619, 0.2395, 0.3820



25.2455, 0.1932, 0.2154



14.7915, 0.3004, 0.3328



32.0958, 0.2391, 0.3807



2.0892, 0.2365, 0.3713

Inverse Universe

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



14.8956, 0.6179, 0.3180



21.4219, 0.6204, 0.3191



19.5011, 0.5887, 0.3704



13.0857, 0.3266, 0.3252



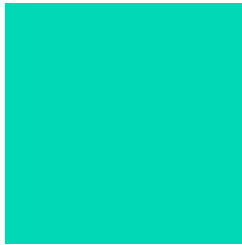
9.0140, 0.6159, 0.3167



0.5948, 0.5744, 0.2938

Previews

White Background



This preview shows how the Yxy color 53.0096, 0.2393, 0.3813 looks on a white background.

Color Contrast Check

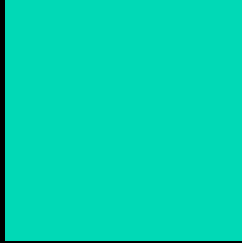
Large Text (above 18pt) WCAG AA × Fail

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 53.0096, 0.2393, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

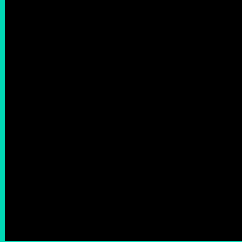
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

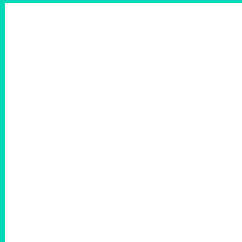
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0096, 0.2393, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 53.0096, 0.2393, 0.3813.



This preview shows how white text looks on a background with the Yxy color 53.0096, 0.2393, 0.3813.

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

53.0096, 0.2393, 0.3813

Protanopia

51.9334, 0.3384, 0.3564

Deuteranopia

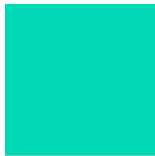
52.0737, 0.3308, 0.3243



Tritanopia

53.2141, 0.2256, 0.3057

Trichromacy



Original Color

53.0096, 0.2393, 0.3813



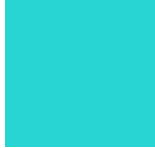
Protanomaly

48.9149, 0.2789, 0.3677



Deuteranomaly

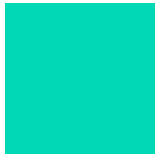
48.5460, 0.2742, 0.3443



Tritanomaly

52.7428, 0.2290, 0.3316

Monochromacy



Original Color

53.0096, 0.2393, 0.3813



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.8049, 0.2608, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0096, 0.2393, 0.3813 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, 217, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 217, 182)  
}
```

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, 217, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 217, 182) }
```

Border

The CSS property to change the border of an element to Yxy 53.0096, 0.2393, 0.3813 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, 217, 182) }
```

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

```
.border{ border-color:rgb(1, 217, 182) }
```

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

Here you see how a box with a 4 pixel rgb(1, 217, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 217, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 217, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 217,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0096, 0.2393, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 217, 182) }
```

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

```
.background{ background-color: rgb(1, 217,  
182) }
```

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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