

Converting Colors

$Y_{xy}(53.8449, 0.2440, 0.3985)$

Have a look what the booklet for
Yxy(53.8449, 0.2440, 0.3985)
contains.

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Color

Yxy(53.6802, 0.2440, 0.3985)

Conversions

Conversions Part 1

Format	Color
Hex	00DBAD
RGB	0, 219, 173
RGB Percent	0%, 86%, 68%
CMY	1.0000, 0.1411, 0.3216
CMYK	1.00, 0.00, 0.21, 0.14
HSL	167°, 100%, 43%
HSV	167°, 100%, 86%
XYZ	32.8682, 53.6802, 48.1573
YIQ	148.2750, -115.7580, -60.7340

Conversions

Conversions Part 2

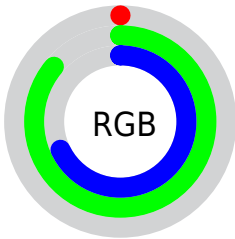
Format	Color
RYB	0, 122, 219
Decimal	56237
CIELab	78.27, -55.40, 10.16
CIELCh	78, 56.328, 169.607
Yxy	53.6802, 0.2440, 0.3985
Android (android.graphics.Color)	4278246317 (0xFF00DBAD)
YUV	148.2750, 12.1894, -130.0372
Hunter-Lab	73.2668, -48.1400, 12.3162

Details

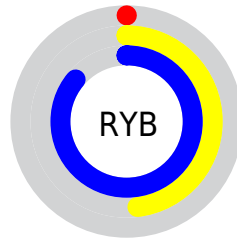
The Yxy color **53.6802, 0.2440, 0.3985** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.2593, 0.6071, 0.3118**, and the grayscale version is **29.7216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2472, 0.2515, 0.3614**, and **27.5749, 0.2482, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **53.6856, 0.2440, 0.3985**, and if you desaturate by 10%, it is **54.0363, 0.2434, 0.3908**.

Distribution



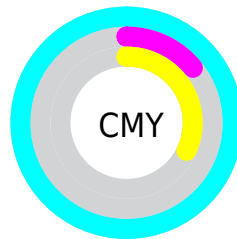
- Red (0%)
- Green (86%)
- Blue (68%)



- Red (0%)
- Yellow (48%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6802, 0.2440, 0.3985 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 53.6802, 0.2440, 0.3985 by changing the saturation by 10% instead.


 53.6802, 0.2440,
0.3985

 53.6802, 0.2440,
0.3985


400.8893, 0.2779,
0.3633


 38.3460, 0.2357,
0.4074


 95.6045, 0.2562,
0.3856


 26.2514, 0.2252,
0.4189


 122.9635, 0.2608,
0.3808


 17.0118, 0.2114,
0.4343


 155.0995, 0.2648,
0.3767

 10.2429, 0.1926,
0.4558

 192.3970, 0.2681,
0.3733

 5.5603, 0.1658,
0.4880

 235.2403, 0.2711,
0.3702

 2.5796, 0.1202,
0.5437

284.0139, 0.2736,

 0.9164, 0.0000,

0.3676

0.7615

339.1021, 0.2759,
0.3653

■ 0.0000, 0.0000,
0.0000

■ 53.6802, 0.2440,
0.3985

■ 53.6802, 0.2440,
0.3985

■ 53.6856, 0.2440,
0.3985

■ 54.0363, 0.2434,
0.3908

■ 54.5855, 0.2445,
0.3831

■ 55.3960, 0.2474,
0.3754

■ 56.5035, 0.2523,
0.3677

■ 57.9379, 0.2591,
0.3603

■ 59.7252, 0.2676,
0.3531

■ 61.8889, 0.2774,
0.3464

■ 64.4507, 0.2885,
0.3401

■ 67.4301, 0.3003,
0.3343

Harmonies

Analogous

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



53.6802, 0.3109, 0.4571



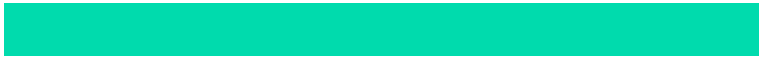
53.6802, 0.2440, 0.3985



53.6802, 0.1990, 0.3186

Triad

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



53.6802, 0.2440, 0.3985



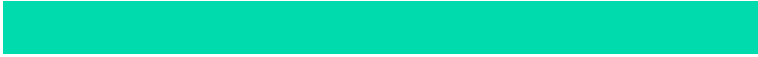
53.6802, 0.2353, 0.2160



53.6802, 0.4617, 0.3753

Complementary

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



53.6802, 0.2440, 0.3985



15.2593, 0.6071, 0.3118

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.



53.6802, 0.4395, 0.3200



53.6802, 0.2440, 0.3985



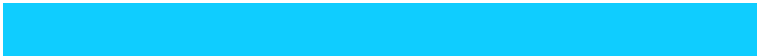
53.6802, 0.2998, 0.2334

Square

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



53.6802, 0.2440, 0.3985



53.6802, 0.1955, 0.2219



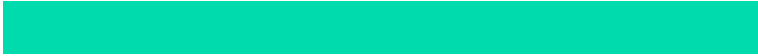
53.6802, 0.3769, 0.2702



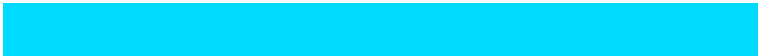
53.6802, 0.4383, 0.4282

Rectangle

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



53.6802, 0.2440, 0.3985



53.6802, 0.1851, 0.2733



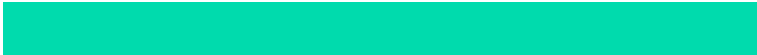
53.6802, 0.3769, 0.2702



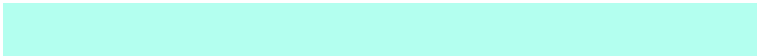
53.6802, 0.4597, 0.3567

Sweetspot

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



53.6856, 0.2440, 0.3985



87.2718, 0.2772, 0.3465



51.2841, 0.3073, 0.5942



18.3887, 0.2728, 0.3494



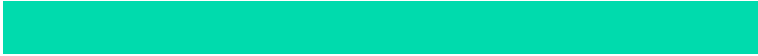
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.6856, 0.2440, 0.3985



75.7566, 0.2442, 0.3991



29.2149, 0.1981, 0.2330



14.7803, 0.3010, 0.3340



31.8458, 0.2437, 0.3973



2.0751, 0.2402, 0.3848

Inverse Universe

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



15.2593, 0.6071, 0.3118



21.5225, 0.6089, 0.3128



18.5129, 0.6020, 0.3602



13.0961, 0.3259, 0.3241



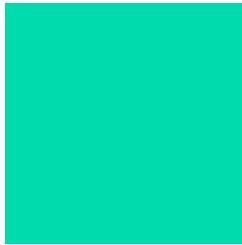
9.0600, 0.6037, 0.3100



0.5997, 0.5581, 0.2848

Previews

White Background



This preview shows how the Yxy color 53.6802, 0.2440, 0.3985 looks on a white background.

Color Contrast Check

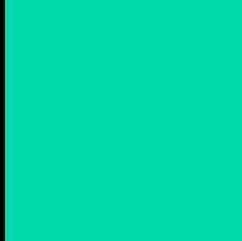
Large Text (above 18pt) WCAG AA × Fail

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 53.6802, 0.2440, 0.3985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

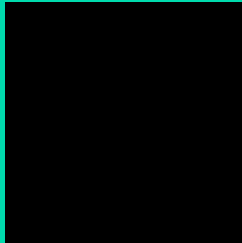
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

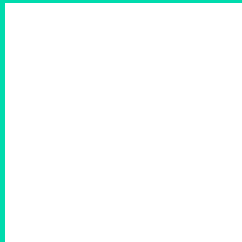
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.6802, 0.2440, 0.3985

Background



This preview shows how black text looks on a background with the Yxy color 53.6802, 0.2440, 0.3985.

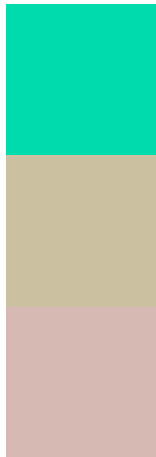


This preview shows how white text looks on a background with the Yxy color 53.6802, 0.2440, 0.3985.

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

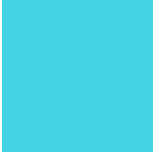
53.6802, 0.2440, 0.3985

Protanopia

52.8990, 0.3477, 0.3699

Deuteranopia

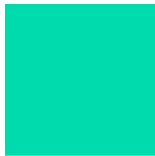
52.4403, 0.3425, 0.3350



Tritanopia

53.4390, 0.2265, 0.3044

Trichromacy



Original Color

53.6802, 0.2440, 0.3985



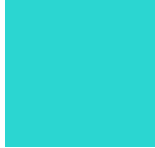
Protanomaly

49.5885, 0.2854, 0.3838



Deuteranomaly

48.4252, 0.2819, 0.3572



Tritanomaly

53.2102, 0.2307, 0.3359

Monochromacy



Original Color

53.6802, 0.2440, 0.3985



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

35.0861, 0.2630, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6802, 0.2440, 0.3985 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 173) }
```

Border

The CSS property to change the border of an element to Yxy 53.6802, 0.2440, 0.3985 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, 173) }
```

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

```
.border{ border-color:rgb(0, 219, 173) }
```

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, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6802, 0.2440, 0.3985 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, 173) }
```

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

```
.background{ background-color: rgb(0, 219,  
173) }
```

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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