

Converting Colors

$Y_{xy}(39.9581, 0.1643, 0.3726)$

Have a look what the booklet for
Yxy(39.9581, 0.1643, 0.3726)
contains.

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Color

Yxy(45.9665, 0.2351, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	00CBB3
RGB	0, 203, 179
RGB Percent	0%, 80%, 70%
CMY	1.0000, 0.2039, 0.2980
CMYK	1.00, 0.00, 0.12, 0.20
HSL	173°, 100%, 40%
HSV	173°, 100%, 80%
XYZ	29.4863, 45.9665, 49.9674
YIQ	139.5670, -113.2840, -50.5000

Conversions

Conversions Part 2

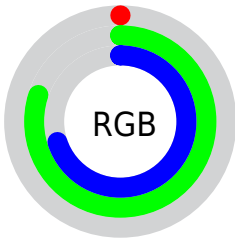
Format	Color
RYB	0, 108, 203
Decimal	52147
CIELab	73.52, -47.40, 0.08
CIELCh	74, 47.400, 179.898
Yxy	45.9665, 0.2351, 0.3665
Android (android.graphics.Color)	4278242227 (0xFF00CBB3)
YUV	139.5670, 19.4405, -122.4003
Hunter-Lab	67.7986, -41.0161, 3.7624

Details

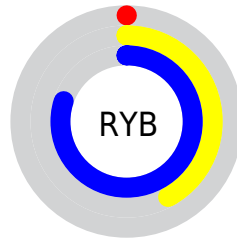
The Yxy color **45.9665, 0.2351, 0.3665** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.7642, 0.6265, 0.3225**, and the grayscale version is **26.0081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4612, 0.2476, 0.3528**, and **22.6862, 0.2377, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **45.9725, 0.2351, 0.3665**, and if you desaturate by 10%, it is **46.2225, 0.2355, 0.3624**.

Distribution



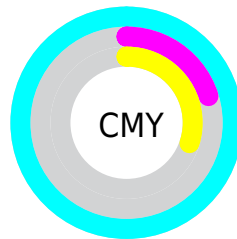
- Red (0%)
- Green (80%)
- Blue (70%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9665, 0.2351, 0.3665 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 45.9665, 0.2351, 0.3665 by changing the saturation by 10% instead.


 45.9665, 0.2351,
0.3665


 45.9665, 0.2351,
0.3665


370.6740, 0.2736,
0.3479


 32.2194, 0.2257,
0.3711


 84.1689, 0.2490,
0.3598


 21.5291, 0.2137,
0.3769


 109.3929, 0.2542,
0.3573


 13.5113, 0.1980,
0.3844


 139.2114, 0.2587,
0.3551

 7.7816, 0.1767,
0.3948

 174.0087, 0.2625,
0.3533

 3.9555, 0.1463,
0.4095

 214.1692, 0.2658,
0.3517

 1.6487, 0.0718,
0.4455

260.0773, 0.2687,

 0.3901, 0.0000,

0.3503

0.4822

312.1174, 0.2713,
0.3490

■ 0.0000, 0.0000,
0.0000

■ 45.9665, 0.2351,
0.3665

■ 45.9665, 0.2351,
0.3665

■ 45.9725, 0.2351,
0.3665

■ 46.2225, 0.2355,
0.3624

■ 46.6335, 0.2374,
0.3583

■ 47.2607, 0.2411,
0.3542

■ 48.1332, 0.2467,
0.3501

■ 49.2757, 0.2542,
0.3461

■ 50.7098, 0.2634,
0.3423

■ 52.4550, 0.2742,
0.3386

■ 54.5290, 0.2861,
0.3351

■ 56.9484, 0.2991,
0.3319

Harmonies

Analogous

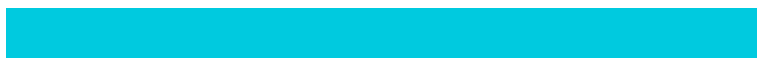
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9665, 0.2902, 0.4278



45.9665, 0.2351, 0.3665



45.9665, 0.2026, 0.2987

Triad

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



45.9665, 0.2351, 0.3665



45.9665, 0.2614, 0.2301



45.9665, 0.4428, 0.3894

Complementary

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



45.9665, 0.2351, 0.3665



12.7642, 0.6265, 0.3225

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.



45.9665, 0.4366, 0.3391



45.9665, 0.2351, 0.3665



45.9665, 0.3249, 0.2525

Square

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



45.9665, 0.2351, 0.3665



45.9665, 0.2168, 0.2282



45.9665, 0.3916, 0.2910



45.9665, 0.4111, 0.4323

Rectangle

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



45.9665, 0.2351, 0.3665



45.9665, 0.1957, 0.2637



45.9665, 0.3916, 0.2910



45.9665, 0.4453, 0.3728

Sweetspot

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



45.9725, 0.2351, 0.3665



87.6952, 0.2737, 0.3387



42.9517, 0.3034, 0.5973



18.4911, 0.2690, 0.3403



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.



45.9725, 0.2351, 0.3665



76.9477, 0.2353, 0.3670



19.9010, 0.1898, 0.2034



12.7033, 0.2999, 0.3317



29.2616, 0.2350, 0.3659



1.5162, 0.2328, 0.3580

Inverse Universe

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



12.7642, 0.6265, 0.3225



21.3545, 0.6284, 0.3235



17.6545, 0.5800, 0.3777



11.2349, 0.3272, 0.3263



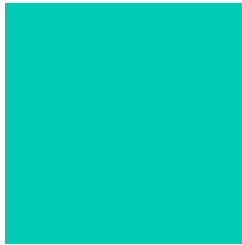
8.1291, 0.6242, 0.3212



0.4268, 0.5834, 0.2987

Previews

White Background



This preview shows how the Yxy color 45.9665, 0.2351, 0.3665 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 45.9665, 0.2351, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

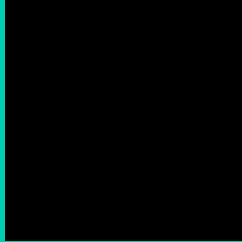
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

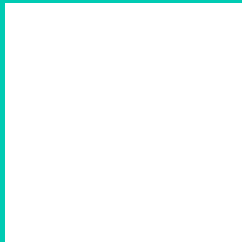
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9665, 0.2351, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 45.9665, 0.2351, 0.3665.

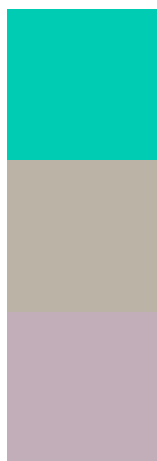


This preview shows how white text looks on a background with the Yxy color 45.9665, 0.2351, 0.3665.

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

45.9665, 0.2351, 0.3665

Protanopia

45.4325, 0.3295, 0.3461

Deuteranopia

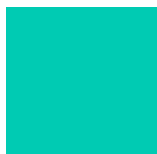
45.2442, 0.3213, 0.3151



Tritanopia

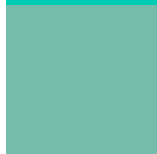
46.0275, 0.2248, 0.3056

Trichromacy



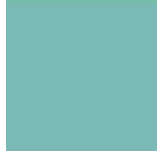
Original Color

45.9665, 0.2351, 0.3665



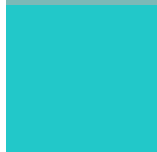
Protanomaly

42.7583, 0.2720, 0.3545



Deuteranomaly

42.3278, 0.2670, 0.3318



Tritanomaly

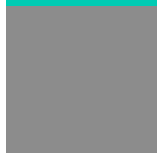
45.8657, 0.2273, 0.3273

Monochromacy



Original Color

45.9665, 0.2351, 0.3665



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.6513, 0.2591, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9665, 0.2351, 0.3665 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, 203, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 179)  
}
```

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, 203, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 179) }
```

Border

The CSS property to change the border of an element to Yxy 45.9665, 0.2351, 0.3665 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, 203, 179) }
```

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

```
.border{ border-color:rgb(0, 203, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9665, 0.2351, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 179) }
```

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

```
.background{ background-color: rgb(0, 203,  
179) }
```

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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