

Converting Colors

$Y_{xy}(43.8034, 0.2177, 0.3606)$

Have a look what the booklet for
Yxy(43.8034, 0.2177, 0.3606)
contains.

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Color

Yxy(45.1507, 0.2330, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	01C9B6
RGB	1, 201, 182
RGB Percent	0%, 79%, 71%
CMY	0.9969, 0.2118, 0.2863
CMYK	1.00, 0.00, 0.09, 0.21
HSL	174°, 99%, 40%
HSV	174°, 100%, 79%
XYZ	29.3366, 45.1507, 51.4209
YIQ	139.0340, -113.1010, -48.3090

Conversions

Conversions Part 2

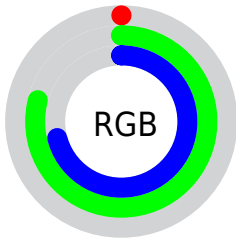
Format	Color
RYB	1, 106, 201
Decimal	117174
CIELab	72.99, -45.68, -2.32
CIELCh	73, 45.736, 182.902
Yxy	45.1507, 0.2330, 0.3586
Android (android.graphics.Color)	4278307254 (0xFF01C9B6)
YUV	139.0340, 21.1822, -121.0558
Hunter-Lab	67.1943, -39.6579, 1.6639

Details

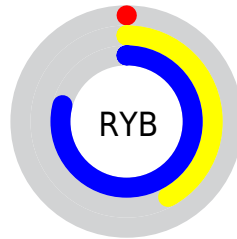
The Yxy color **45.1507, 0.2330, 0.3586** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.4836, 0.6293, 0.3244**, and the grayscale version is **25.7551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6361, 0.2463, 0.3491**, and **22.1427, 0.2347, 0.3649** is the 20% darker color. If you saturate the color by 10%, you get **45.1442, 0.2330, 0.3587**, and if you desaturate by 10%, it is **45.3850, 0.2336, 0.3554**.

Distribution



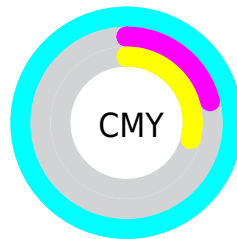
- Red (0%)
- Green (79%)
- Blue (71%)



- Red (0%)
- Yellow (42%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1507, 0.2330, 0.3586 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 45.1507, 0.2330, 0.3586 by changing the saturation by 10% instead.


 45.1507, 0.2330,
0.3586

 45.1507, 0.2330,
0.3586


367.3836, 0.2724,
0.3442

 31.5761, 0.2234,
0.3620


 82.9465, 0.2472,
0.3535


 21.0380, 0.2111,
0.3663

 107.9365, 0.2526,
0.3515


 13.1518, 0.1951,
0.3718


 137.5005, 0.2571,
0.3499

 7.5331, 0.1734,
0.3790

 172.0229, 0.2611,
0.3484

 3.7977, 0.1427,
0.3888

 211.8879, 0.2645,
0.3472

 1.5610, 0.0670,
0.4152

257.4802, 0.2675,

 0.3311, 0.0000,

0.3461

0.3879

309.1839, 0.2701,
0.3451

■ 0.0000, 0.0000,
0.0000

■ 45.1507, 0.2330,
0.3586

■ 45.1507, 0.2330,
0.3586

■ 45.1442, 0.2330,
0.3587

■ 45.3850, 0.2336,
0.3554

■ 45.7785, 0.2357,
0.3522

■ 46.3838, 0.2397,
0.3489

■ 47.2292, 0.2455,
0.3457

■ 48.3387, 0.2533,
0.3425

■ 49.7332, 0.2628,
0.3394

■ 51.4317, 0.2738,
0.3365

■ 53.4514, 0.2861,
0.3338

■ 55.8084, 0.2993,
0.3312

Harmonies

Analogous

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



45.1507, 0.2850, 0.4199



45.1507, 0.2330, 0.3586



45.1507, 0.2037, 0.2941

Triad

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



45.1507, 0.2330, 0.3586



45.1507, 0.2684, 0.2339



45.1507, 0.4376, 0.3928

Complementary

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



45.1507, 0.2330, 0.3586



12.4836, 0.6293, 0.3244

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.



45.1507, 0.4354, 0.3441



45.1507, 0.2330, 0.3586



45.1507, 0.3314, 0.2576

Square

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



45.1507, 0.2330, 0.3586



45.1507, 0.2226, 0.2300



45.1507, 0.3950, 0.2965



45.1507, 0.4040, 0.4328

Rectangle

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



45.1507, 0.2330, 0.3586



45.1507, 0.1987, 0.2615



45.1507, 0.3950, 0.2965



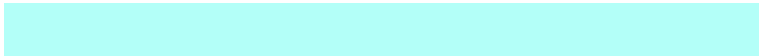
45.1507, 0.4413, 0.3770

Sweetspot

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



45.1524, 0.2330, 0.3586



87.8054, 0.2728, 0.3368



41.9293, 0.3023, 0.5979



18.5179, 0.2680, 0.3380



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.



45.1524, 0.2330, 0.3586



77.2783, 0.2331, 0.3592



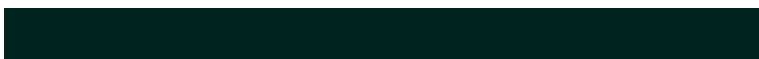
17.8757, 0.1868, 0.1921



12.0495, 0.2996, 0.3312



28.3945, 0.2329, 0.3583



1.3497, 0.2310, 0.3516

Inverse Universe

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



12.4836, 0.6293, 0.3244



21.3268, 0.6318, 0.3254



18.2845, 0.5697, 0.3855



10.6530, 0.3275, 0.3268



7.8436, 0.6280, 0.3233



0.3771, 0.5913, 0.3031

Previews

White Background



This preview shows how the Yxy color 45.1507, 0.2330, 0.3586 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 45.1507, 0.2330, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

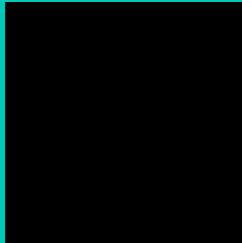
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

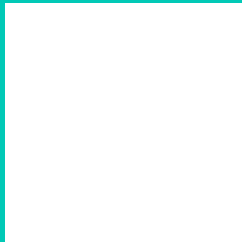
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1507, 0.2330, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 45.1507, 0.2330, 0.3586.

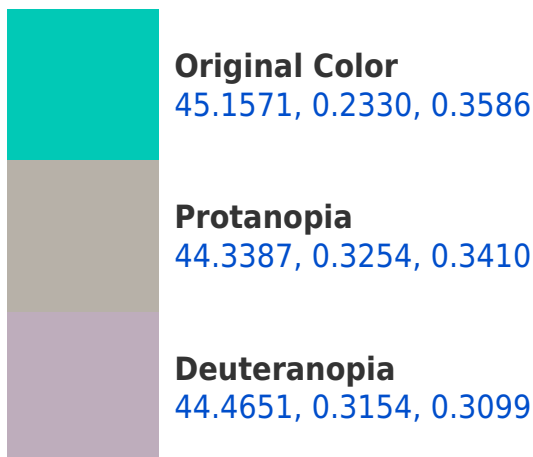


This preview shows how white text looks on a background with the Yxy color 45.1507, 0.2330, 0.3586.

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





Tritanopia

45.4147, 0.2239, 0.3055

Trichromacy



Original Color

45.1571, 0.2330, 0.3586



Protanomaly

41.9168, 0.2697, 0.3485



Deuteranomaly

41.4771, 0.2635, 0.3244



Tritanomaly

44.9595, 0.2258, 0.3227

Monochromacy



Original Color

45.1571, 0.2330, 0.3586



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.3311, 0.2581, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1507, 0.2330, 0.3586 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, 201, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 201, 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, 201, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 201, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.1507, 0.2330, 0.3586 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, 201, 182) }
```

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

```
.border{ border-color:rgb(1, 201, 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, 201, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 201, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 201, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 201,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1507, 0.2330, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 201, 182) }
```

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

```
.background{ background-color: rgb(1, 201,  
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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