

Converting Colors

$Y_{xy}(46.0430, 0.2263, 0.3346)$

Have a look what the booklet for
Yxy(46.0430, 0.2263, 0.3346)
contains.

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Color

Yxy(45.8505, 0.2259, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	00C9C6
RGB	0, 201, 198
RGB Percent	0%, 79%, 78%
CMY	1.0000, 0.2117, 0.2235
CMYK	1.00, 0.00, 0.01, 0.21
HSL	179°, 100%, 39%
HSV	179°, 100%, 79%
XYZ	31.0760, 45.8505, 60.6388
YIQ	140.5590, -118.8330, -43.5450

Conversions

Conversions Part 2

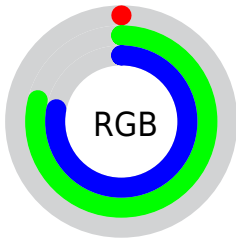
Format	Color
RYB	0, 101, 201
Decimal	51654
CIELab	73.45, -41.10, -10.33
CIELCh	73, 42.376, 194.105
Yxy	45.8505, 0.2259, 0.3333
Android (android.graphics.Color)	4278241734 (0xFF00C9C6)
YUV	140.5590, 28.3184, -123.2702
Hunter-Lab	67.7130, -36.5775, -5.6967

Details

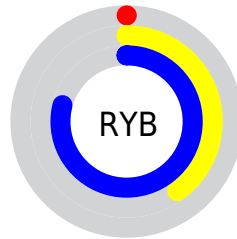
The Yxy color **45.8505, 0.2259, 0.3333** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.4253, 0.6386, 0.3292**, and the grayscale version is **26.3787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7433, 0.2399, 0.3288**, and **22.5714, 0.2258, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **45.8545, 0.2259, 0.3333**, and if you desaturate by 10%, it is **46.0182, 0.2272, 0.3328**.

Distribution



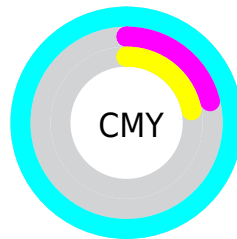
- Red (0%)
- Green (79%)
- Blue (78%)



- Red (0%)
- Yellow (40%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8505, 0.2259, 0.3333 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 45.8505, 0.2259, 0.3333 by changing the saturation by 10% instead.


 45.8505, 0.2259,
0.3333


 45.8505, 0.2259,
0.3333


370.2073, 0.2682,
0.3324


 32.1279, 0.2158,
0.3331


 83.9952, 0.2410,
0.3333


 21.4592, 0.2030,
0.3327


 109.1861, 0.2467,
0.3332

 13.4601, 0.1866,
0.3317


 138.9685, 0.2516,
0.3330

 7.7461, 0.1647,
0.3296

 173.7268, 0.2559,
0.3329

 3.9329, 0.1346,
0.3249

 213.8455, 0.2595,
0.3328

 1.6361, 0.0799,
0.3175

259.7088, 0.2628,

 0.3818, 0.0000,

0.3327

0.2495

311.7013, 0.2656,
0.3325

■ 0.0000, 0.0000,
0.0000

■ 45.8505, 0.2259,
0.3333

■ 45.8505, 0.2259,
0.3333

■ 45.8545, 0.2259,
0.3333

■ 46.0182, 0.2272,
0.3328

■ 46.3375, 0.2298,
0.3324

■ 46.8664, 0.2342,
0.3319

■ 47.6334, 0.2405,
0.3314

■ 48.6624, 0.2487,
0.3310

■ 49.9748, 0.2587,
0.3305

■ 51.5893, 0.2704,
0.3301

■ 53.5234, 0.2835,
0.3297

■ 55.7931, 0.2977,
0.3293

Harmonies

Analogous

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



45.8505, 0.2675, 0.3936



45.8505, 0.2259, 0.3333



45.8505, 0.2073, 0.2791

Triad

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



45.8505, 0.2259, 0.3333



45.8505, 0.2924, 0.2466



45.8505, 0.4202, 0.4044

Complementary

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



45.8505, 0.2259, 0.3333



12.4253, 0.6386, 0.3292

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.



45.8505, 0.4310, 0.3610



45.8505, 0.2259, 0.3333



45.8505, 0.3531, 0.2748

Square

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



45.8505, 0.2259, 0.3333



45.8505, 0.2426, 0.2358



45.8505, 0.4060, 0.3152



45.8505, 0.3800, 0.4337

Rectangle

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



45.8505, 0.2259, 0.3333



45.8505, 0.2085, 0.2543



45.8505, 0.4060, 0.3152



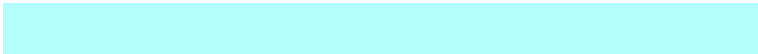
45.8505, 0.4276, 0.3908

Sweetspot

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



45.8545, 0.2259, 0.3333



88.1908, 0.2699, 0.3301



41.7988, 0.3003, 0.5997



18.6116, 0.2647, 0.3303



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.



45.8545, 0.2259, 0.3333



78.4968, 0.2259, 0.3334



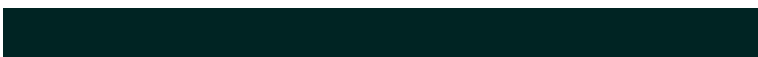
14.0888, 0.1785, 0.1624



12.0647, 0.2986, 0.3293



28.8302, 0.2259, 0.3332



1.3660, 0.2256, 0.3322

Inverse Universe

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



12.4253, 0.6386, 0.3292



21.2684, 0.6390, 0.3294



20.9966, 0.5465, 0.4043



10.6395, 0.3287, 0.3287



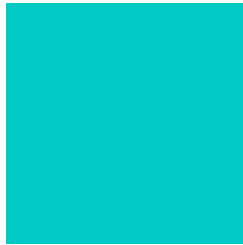
7.8130, 0.6382, 0.3290



0.3709, 0.6317, 0.3254

Previews

White Background



This preview shows how the Yxy color 45.8505, 0.2259, 0.3333 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 45.8505, 0.2259, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

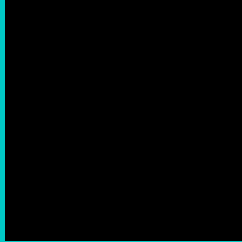
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

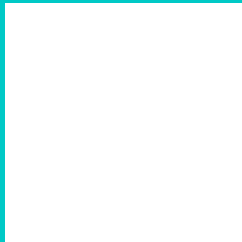
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8505, 0.2259, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 45.8505, 0.2259, 0.3333.

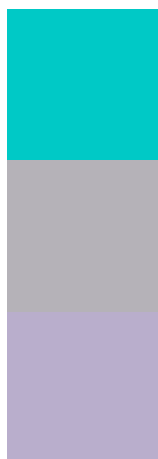


This preview shows how white text looks on a background with the Yxy color 45.8505, 0.2259, 0.3333.

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

45.8505, 0.2259, 0.3333

Protanopia

45.1252, 0.3105, 0.3211

Deuteranopia

44.9460, 0.2983, 0.2912



Tritanopia

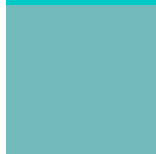
45.7258, 0.2214, 0.3041

Trichromacy



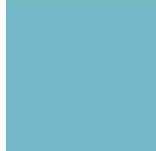
Original Color

45.8505, 0.2259, 0.3333



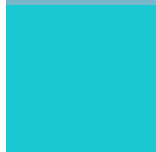
Protanomaly

42.4368, 0.2585, 0.3244



Deuteranomaly

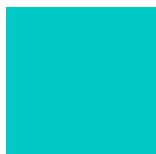
42.3968, 0.2522, 0.3031



Tritanomaly

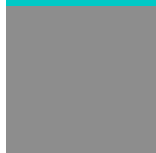
45.6570, 0.2223, 0.3140

Monochromacy



Original Color

45.8505, 0.2259, 0.3333



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.9767, 0.2543, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8505, 0.2259, 0.3333 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, 201, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 198)  
}
```

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, 201, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.8505, 0.2259, 0.3333 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, 201, 198) }
```

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

```
.border{ border-color:rgb(0, 201, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8505, 0.2259, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 198) }
```

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

```
.background{ background-color: rgb(0, 201,  
198) }
```

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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