

Converting Colors

$Yxy(45.7537, 0.2298, 0.3497)$

Have a look what the booklet for
Yxy(45.7537, 0.2298, 0.3497)
contains.

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Color

Yxy(45.8719, 0.2307, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	00CABC
RGB	0, 202, 188
RGB Percent	0%, 79%, 74%
CMY	0.9982, 0.2079, 0.2627
CMYK	1.00, 0.00, 0.07, 0.21
HSL	176°, 100%, 40%
HSV	176°, 100%, 79%
XYZ	30.2016, 45.8719, 54.8394
YIQ	140.0060, -115.8980, -47.1780

Conversions

Conversions Part 2

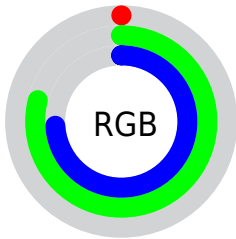
Format	Color
RYB	0, 105, 202
Decimal	51900
CIELab	73.46, -44.42, -4.88
CIELCh	73, 44.687, 186.270
Yxy	45.8719, 0.2307, 0.3504
Android (android.graphics.Color)	4278241980 (0xFF00CABC)
YUV	140.0060, 23.6610, -122.7853
Hunter-Lab	67.7288, -38.9287, -0.5965

Details

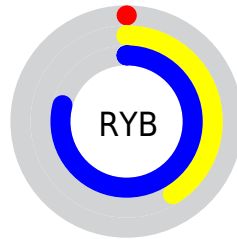
The Yxy color **45.8719, 0.2307, 0.3504** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.5992, 0.6330, 0.3262**, and the grayscale version is **26.2243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9947, 0.2439, 0.3418**, and **22.6167, 0.2316, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **45.8692, 0.2307, 0.3505**, and if you desaturate by 10%, it is **46.0872, 0.2315, 0.3481**.

Distribution



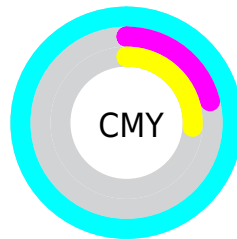
- Red (0%)
- Green (79%)
- Blue (74%)



- Red (0%)
- Yellow (41%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8719, 0.2307, 0.3504 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 45.8719, 0.2307, 0.3504 by changing the saturation by 10% instead.


 45.8719, 0.2307,
0.3504

 45.8719, 0.2307,
0.3504


370.2934, 0.2710,
0.3405


 32.1447, 0.2209,
0.3526


 84.0273, 0.2451,
0.3470

 21.4721, 0.2086,
0.3553


 109.2242, 0.2506,
0.3456


 13.4695, 0.1925,
0.3586


 139.0133, 0.2553,
0.3445

 7.7526, 0.1710,
0.3626

 173.7788, 0.2593,
0.3435

 3.9371, 0.1408,
0.3671

 213.9052, 0.2628,
0.3426

 1.6384, 0.0769,
0.3793

259.7768, 0.2659,

 0.3833, 0.0000,

0.3418

0.3357

311.7781, 0.2686,
0.3411

■ 0.0000, 0.0000,
0.0000

■ 45.8719, 0.2307,
0.3504

■ 45.8719, 0.2307,
0.3504

■ 45.8692, 0.2307,
0.3505

■ 46.0872, 0.2315,
0.3481

■ 46.4615, 0.2338,
0.3458

■ 47.0490, 0.2379,
0.3434

■ 47.8784, 0.2439,
0.3411

■ 48.9741, 0.2518,
0.3388

■ 50.3574, 0.2614,
0.3366

■ 52.0474, 0.2726,
0.3345

■ 54.0617, 0.2852,
0.3325

■ 56.4164, 0.2987,
0.3307

Harmonies

Analogous

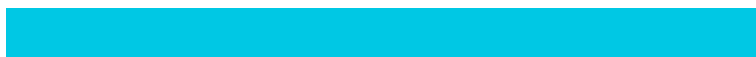
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8719, 0.2794, 0.4116



45.8719, 0.2307, 0.3504



45.8719, 0.2048, 0.2892

Triad

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



45.8719, 0.2307, 0.3504



45.8719, 0.2759, 0.2379



45.8719, 0.4321, 0.3966

Complementary

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



45.8719, 0.2307, 0.3504



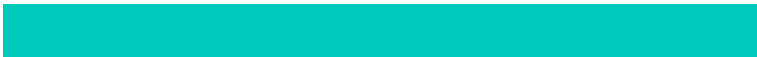
12.5992, 0.6330, 0.3262

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.



45.8719, 0.4342, 0.3494



45.8719, 0.2307, 0.3504



45.8719, 0.3383, 0.2630

Square

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



45.8719, 0.2307, 0.3504



45.8719, 0.2288, 0.2318



45.8719, 0.3986, 0.3024



45.8719, 0.3964, 0.4333

Rectangle

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



45.8719, 0.2307, 0.3504



45.8719, 0.2017, 0.2591



45.8719, 0.3986, 0.3024



45.8719, 0.4370, 0.3814

Sweetspot

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



45.8736, 0.2307, 0.3504



87.9268, 0.2719, 0.3346



42.3623, 0.3017, 0.5985



18.5473, 0.2670, 0.3355



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.



45.8736, 0.2307, 0.3504



77.6515, 0.2308, 0.3508



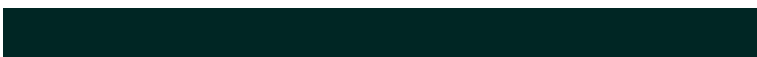
17.2301, 0.1850, 0.1859



12.7131, 0.2993, 0.3306



29.5227, 0.2306, 0.3501



1.5272, 0.2293, 0.3456

Inverse Universe

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



12.5992, 0.6330, 0.3262



21.3027, 0.6347, 0.3270



18.9659, 0.5654, 0.3890



11.2261, 0.3279, 0.3274



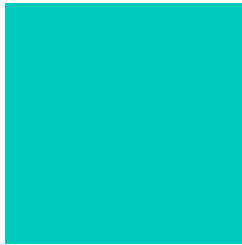
8.1054, 0.6318, 0.3254



0.4227, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 45.8719, 0.2307, 0.3504 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 45.8719, 0.2307, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

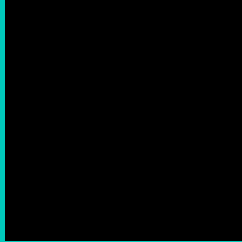
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

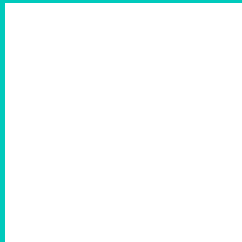
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8719, 0.2307, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 45.8719, 0.2307, 0.3504.

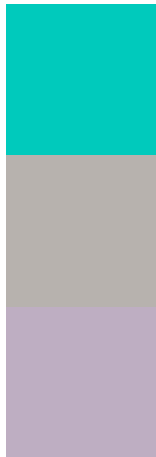


This preview shows how white text looks on a background with the Yxy color 45.8719, 0.2307, 0.3504.

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

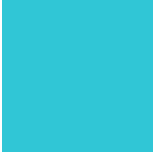
45.8719, 0.2307, 0.3504

Protanopia

44.9641, 0.3204, 0.3343

Deuteranopia

45.1143, 0.3104, 0.3037



Tritanopia

45.8716, 0.2235, 0.3056

Trichromacy



Original Color

45.8719, 0.2307, 0.3504



Protanomaly

42.5772, 0.2661, 0.3408



Deuteranomaly

42.1517, 0.2599, 0.3172



Tritanomaly

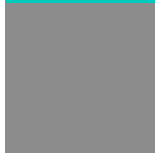
45.5459, 0.2248, 0.3198

Monochromacy



Original Color

45.8719, 0.2307, 0.3504



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.7526, 0.2570, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8719, 0.2307, 0.3504 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, 202, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 188)  
}
```

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, 202, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 188) }
```

Border

The CSS property to change the border of an element to Yxy 45.8719, 0.2307, 0.3504 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, 202, 188) }
```

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

```
.border{ border-color:rgb(0, 202, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8719, 0.2307, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 188) }
```

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

```
.background{ background-color: rgb(0, 202,  
188) }
```

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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