

Converting Colors

$Y_{xy}(42.7988, 0.2068, 0.3404)$

Have a look what the booklet for
Yxy(42.7988, 0.2068, 0.3404)
contains.

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Color

Yxy(45.1143, 0.2281, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	00C8C0
RGB	0, 200, 192
RGB Percent	0%, 78%, 75%
CMY	0.9992, 0.2157, 0.2471
CMYK	1.00, 0.00, 0.04, 0.22
HSL	178°, 100%, 39%
HSV	178°, 100%, 78%
XYZ	30.1688, 45.1143, 56.9781
YIQ	139.2880, -116.6320, -44.8880

Conversions

Conversions Part 2

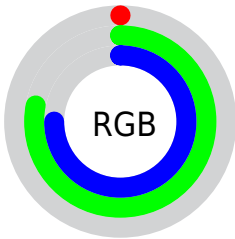
Format	Color
RYB	0, 102, 200
Decimal	51392
CIELab	72.97, -42.41, -7.78
CIELCh	73, 43.116, 190.391
Yxy	45.1143, 0.2281, 0.3411
Android (android.graphics.Color)	4278241472 (0xFF00C8C0)
YUV	139.2880, 25.9870, -122.1556
Hunter-Lab	67.1672, -37.3676, -3.2789

Details

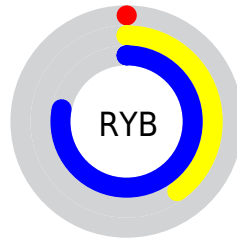
The Yxy color **45.1143, 0.2281, 0.3411** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.3019, 0.6361, 0.3279**, and the grayscale version is **25.8907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2404, 0.2423, 0.3370**, and **22.1149, 0.2281, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **45.1144, 0.2281, 0.3411**, and if you desaturate by 10%, it is **45.3012, 0.2292, 0.3398**.

Distribution



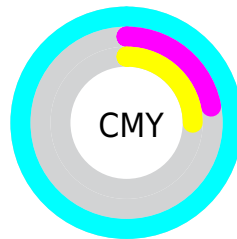
- Red (0%)
- Green (78%)
- Blue (75%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1143, 0.2281, 0.3411 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 45.1143, 0.2281, 0.3411 by changing the saturation by 10% instead.


 45.1143, 0.2281,
0.3411


 45.1143, 0.2281,
0.3411


367.2363, 0.2696,
0.3361

 31.5475, 0.2181,
0.3420


 82.8919, 0.2430,
0.3395


 21.0161, 0.2054,
0.3430


 107.8715, 0.2486,
0.3389


 13.1358, 0.1890,
0.3439

 137.4241, 0.2534,
0.3383

 7.5221, 0.1670,
0.3444

 171.9341, 0.2575,
0.3377

 3.7907, 0.1365,
0.3437

 211.7859, 0.2611,
0.3373

 1.5572, 0.0731,
0.3458

257.3640, 0.2643,

 0.3285, 0.0000,

0.3368

0.2671

309.0526, 0.2671,
0.3364

■ 0.0000, 0.0000,
0.0000

■ 45.1143, 0.2281,
0.3411

■ 45.1143, 0.2281,
0.3411

■ 45.1144, 0.2281,
0.3411

■ 45.3012, 0.2292,
0.3398

■ 45.6413, 0.2316,
0.3385

■ 46.1891, 0.2359,
0.3372

■ 46.9726, 0.2421,
0.3359

■ 48.0156, 0.2501,
0.3346

■ 49.3389, 0.2600,
0.3333

■ 50.9611, 0.2714,
0.3321

■ 52.8995, 0.2843,
0.3310

■ 55.1699, 0.2982,
0.3300

Harmonies

Analogous

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



45.1143, 0.2730, 0.4019



45.1143, 0.2281, 0.3411



45.1143, 0.2061, 0.2837

Triad

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



45.1143, 0.2281, 0.3411



45.1143, 0.2847, 0.2426



45.1143, 0.4257, 0.4008

Complementary

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



45.1143, 0.2281, 0.3411



12.3019, 0.6361, 0.3279

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.



45.1143, 0.4325, 0.3556



45.1143, 0.2281, 0.3411



45.1143, 0.3463, 0.2694

Square

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



45.1143, 0.2281, 0.3411



45.1143, 0.2362, 0.2340



45.1143, 0.4027, 0.3093



45.1143, 0.3876, 0.4336

Rectangle

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



45.1143, 0.2281, 0.3411



45.1143, 0.2054, 0.2565



45.1143, 0.4027, 0.3093



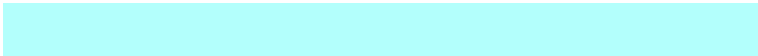
45.1143, 0.4320, 0.3865

Sweetspot

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



45.1160, 0.2281, 0.3411



88.0681, 0.2708, 0.3322



41.3757, 0.3010, 0.5992



18.5817, 0.2658, 0.3327



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.



45.1160, 0.2281, 0.3411



78.0985, 0.2281, 0.3413



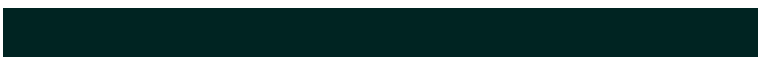
15.3427, 0.1817, 0.1741



12.0599, 0.2989, 0.3299



28.6879, 0.2280, 0.3409



1.3607, 0.2273, 0.3382

Inverse Universe

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



12.3019, 0.6361, 0.3279



21.2824, 0.6372, 0.3284



19.6108, 0.5560, 0.3967



10.6437, 0.3283, 0.3281



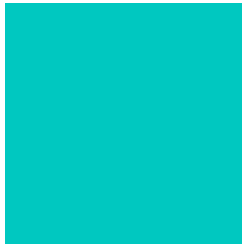
7.8220, 0.6352, 0.3273



0.3728, 0.6182, 0.3179

Previews

White Background



This preview shows how the Yxy color 45.1143, 0.2281, 0.3411 looks on a white background.

Color Contrast Check

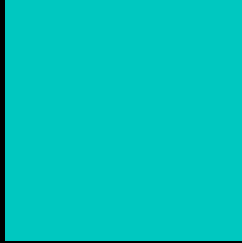
Large Text (above 18pt) WCAG AA × Fail

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 45.1143, 0.2281, 0.3411 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

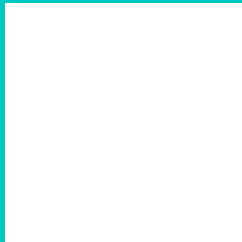
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1143, 0.2281, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 45.1143, 0.2281, 0.3411.

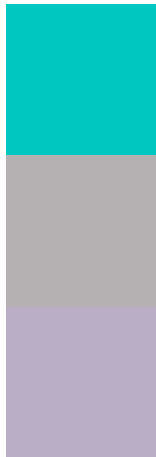


This preview shows how white text looks on a background with the Yxy color 45.1143, 0.2281, 0.3411.

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

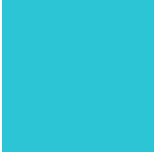
45.1143, 0.2281, 0.3411

Protanopia

44.4824, 0.3154, 0.3277

Deuteranopia

44.4035, 0.3038, 0.2972



Tritanopia

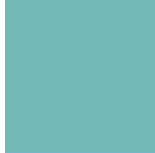
45.2502, 0.2225, 0.3054

Trichromacy



Original Color

45.1143, 0.2281, 0.3411



Protanomaly

41.7617, 0.2619, 0.3318



Deuteranomaly

41.7040, 0.2555, 0.3100



Tritanomaly

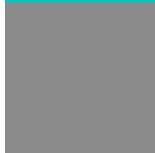
45.0290, 0.2238, 0.3183

Monochromacy



Original Color

45.1143, 0.2281, 0.3411



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.0822, 0.2558, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1143, 0.2281, 0.3411 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, 200, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 192)  
}
```

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, 200, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 192) }
```

Border

The CSS property to change the border of an element to Yxy 45.1143, 0.2281, 0.3411 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, 200, 192) }
```

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

```
.border{ border-color:rgb(0, 200, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1143, 0.2281, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 192) }
```

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

```
.background{ background-color: rgb(0, 200,  
192) }
```

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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