

Converting Colors

$Y_{xy}(45.2761, 0.2226, 0.3215)$

Have a look what the booklet for
Yxy(45.2761, 0.2226, 0.3215)
contains.

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Color

Yxy(45.2065, 0.2226, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	01C7CC
RGB	1, 199, 204
RGB Percent	0%, 78%, 80%
CMY	0.9973, 0.2196, 0.2000
CMYK	1.00, 0.02, 0.00, 0.20
HSL	181°, 99%, 40%
HSV	181°, 100%, 80%
XYZ	31.3293, 45.2065, 64.2067
YIQ	140.3680, -119.6130, -40.4210

Conversions

Conversions Part 2

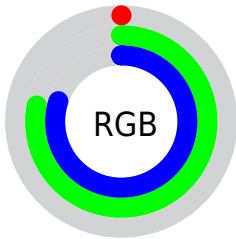
Format	Color
RYB	1, 101, 204
Decimal	116684
CIELab	73.03, -38.35, -14.22
CIELCh	73, 40.903, 200.342
Yxy	45.2065, 0.2226, 0.3212
Android (android.graphics.Color)	4278306764 (0xFF01C7CC)
YUV	140.3680, 31.3706, -122.2257
Hunter-Lab	67.2358, -34.4885, -9.5539

Details

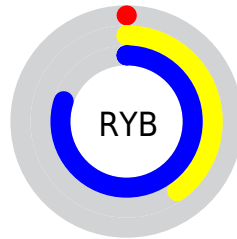
The Yxy color **45.2065, 0.2226, 0.3212** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.9641, 0.6380, 0.3312**, and the grayscale version is **26.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8042, 0.2402, 0.3288**, and **22.1485, 0.2213, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **45.1960, 0.2226, 0.3212**, and if you desaturate by 10%, it is **45.5961, 0.2242, 0.3220**.

Distribution



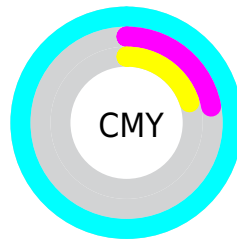
- Red (0%)
- Green (78%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2065, 0.2226, 0.3212 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 45.2065, 0.2226, 0.3212 by changing the saturation by 10% instead.


 45.2065, 0.2226,
0.3212

 45.2065, 0.2226,
0.3212


367.6092, 0.2664,
0.3266


 31.6201, 0.2122,
0.3194


 83.0302, 0.2382,
0.3235


 21.0715, 0.1991,
0.3169


 108.0363, 0.2441,
0.3242

 13.1763, 0.1823,
0.3131


 137.6178, 0.2492,
0.3249

 7.5500, 0.1600,
0.3070

 172.1590, 0.2536,
0.3253

 3.8084, 0.1297,
0.2965

 212.0443, 0.2574,
0.3257

 1.5670, 0.0774,
0.2791

257.6582, 0.2608,

 0.3352, 0.0000,

0.3261

0.1915

309.3851, 0.2637,
0.3263

■ 0.0000, 0.0000,
0.0000

■ 45.2065, 0.2226,
0.3212

■ 45.2065, 0.2226,
0.3212

■ 45.1960, 0.2226,
0.3212

■ 45.5961, 0.2242,
0.3220

■ 46.1501, 0.2272,
0.3228

■ 46.9226, 0.2321,
0.3236

■ 47.9433, 0.2388,
0.3245

■ 49.2368, 0.2475,
0.3253

■ 50.8251, 0.2580,
0.3261

■ 52.7277, 0.2700,
0.3269

■ 54.9626, 0.2835,
0.3277

■ 57.5463, 0.2980,
0.3284

Harmonies

Analogous

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



45.2065, 0.2590, 0.3802



45.2065, 0.2226, 0.3212



45.2065, 0.2093, 0.2721

Triad

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



45.2065, 0.2226, 0.3212



45.2065, 0.3050, 0.2533



45.2065, 0.4110, 0.4100

Complementary

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



45.2065, 0.2226, 0.3212



12.9641, 0.6380, 0.3312

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.



45.2065, 0.4281, 0.3697



45.2065, 0.2226, 0.3212



45.2065, 0.3640, 0.2838

Square

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



45.2065, 0.2226, 0.3212



45.2065, 0.2532, 0.2389



45.2065, 0.4109, 0.3249



45.2065, 0.3677, 0.4332

Rectangle

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



45.2065, 0.2226, 0.3212



45.2065, 0.2139, 0.2510



45.2065, 0.4109, 0.3249



45.2065, 0.4202, 0.3978

Sweetspot

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



45.2082, 0.2226, 0.3212



87.0658, 0.2691, 0.3268



43.2039, 0.2998, 0.5988



18.3372, 0.2638, 0.3265



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.



45.2082, 0.2226, 0.3212



74.7909, 0.2225, 0.3211



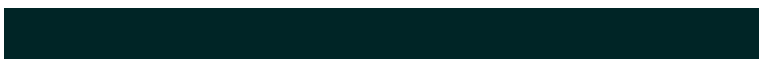
13.2804, 0.1756, 0.1517



12.6777, 0.2984, 0.3284



28.4651, 0.2226, 0.3213



1.4838, 0.2230, 0.3228

Inverse Universe

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



16.9768, 0.3272, 0.1577



28.0813, 0.3273, 0.1577



23.0940, 0.5361, 0.4122



11.3988, 0.3142, 0.3067



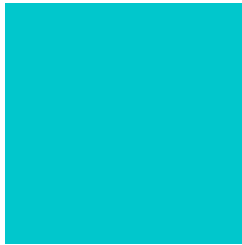
10.6766, 0.3271, 0.1576



0.5523, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 45.2065, 0.2226, 0.3212 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 45.2065, 0.2226, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

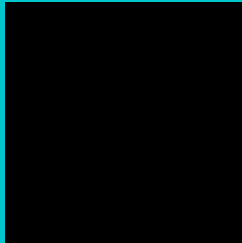
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

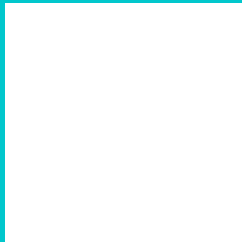
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2065, 0.2226, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 45.2065, 0.2226, 0.3212.



This preview shows how white text looks on a background with the Yxy color 45.2065, 0.2226, 0.3212.

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

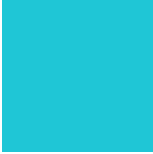
45.2129, 0.2226, 0.3212

Protanopia

44.6270, 0.3032, 0.3120

Deuteranopia

44.6285, 0.2896, 0.2835



Tritanopia

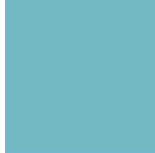
45.5345, 0.2206, 0.3054

Trichromacy



Original Color

45.2129, 0.2226, 0.3212



Protanomaly

42.2155, 0.2541, 0.3143



Deuteranomaly

42.0659, 0.2468, 0.2934



Tritanomaly

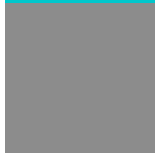
45.1900, 0.2210, 0.3110

Monochromacy



Original Color

45.2129, 0.2226, 0.3212



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.2579, 0.2525, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2065, 0.2226, 0.3212 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, 199, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 199, 204)  
}
```

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, 199, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 199, 204) }
```

Border

The CSS property to change the border of an element to Yxy 45.2065, 0.2226, 0.3212 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, 199, 204) }
```

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

```
.border{ border-color:rgb(1, 199, 204) }
```

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

Here you see how a box with a 4 pixel rgb(1, 199, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 199, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 199, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 199,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2065, 0.2226, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 199, 204) }
```

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

```
.background{ background-color: rgb(1, 199,  
204) }
```

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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