

Converting Colors

$Y_{xy}(45.8186, 0.2231, 0.3232)$

Have a look what the booklet for
Yxy(45.8186, 0.2231, 0.3232)
contains.

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Color

Yxy(45.6682, 0.2230, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	00C8CC
RGB	0, 200, 204
RGB Percent	0%, 78%, 80%
CMY	0.9984, 0.2157, 0.1999
CMYK	1.00, 0.02, 0.00, 0.20
HSL	181°, 100%, 40%
HSV	181°, 100%, 80%
XYZ	31.5587, 45.6682, 64.2921
YIQ	140.6560, -120.4840, -41.1560

Conversions

Conversions Part 2

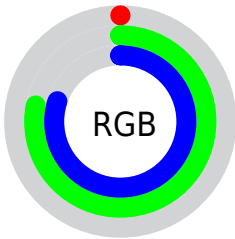
Format	Color
RYB	0, 101, 204
Decimal	51404
CIELab	73.33, -38.81, -13.77
CIELCh	73, 41.184, 199.536
Yxy	45.6682, 0.2230, 0.3227
Android (android.graphics.Color)	4278241484 (0xFF00C8CC)
YUV	140.6560, 31.2286, -123.3553
Hunter-Lab	67.5783, -34.9032, -9.1021

Details

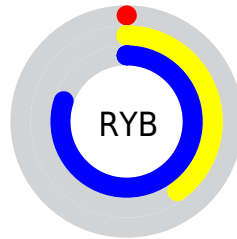
The Yxy color **45.6682, 0.2230, 0.3227** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.9376, 0.6385, 0.3310**, and the grayscale version is **26.4543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8042, 0.2402, 0.3288**, and **22.4528, 0.2219, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **45.6637, 0.2230, 0.3227**, and if you desaturate by 10%, it is **46.0117, 0.2245, 0.3233**.

Distribution



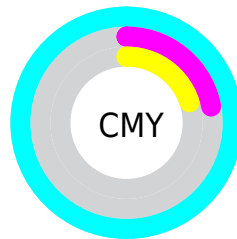
- Red (0%)
- Green (78%)
- Blue (80%)



- 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 45.6682, 0.2230, 0.3227 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 45.6682, 0.2230, 0.3227 by changing the saturation by 10% instead.

 45.6682, 0.2230,
0.3227


 45.6682, 0.2230,
0.3227

369.4731, 0.2665,
0.3273


 31.9841, 0.2126,
0.3211


 83.7222, 0.2385,
0.3247

 21.3493, 0.1996,
0.3188


 108.8609, 0.2444,
0.3254


 13.3796, 0.1830,
0.3154


 138.5865, 0.2494,
0.3259

 7.6905, 0.1609,
0.3099

 173.2835, 0.2538,
0.3263

 3.8975, 0.1308,
0.3001

 213.3363, 0.2576,
0.3266

 1.6164, 0.0799,
0.2837

259.1292, 0.2609,

 0.3686, 0.0000,

0.3269

0.2059

311.0467, 0.2639,
0.3271

■ 0.0000, 0.0000,
0.0000

■ 45.6682, 0.2230,
0.3227

■ 45.6682, 0.2230,
0.3227

■ 45.6637, 0.2230,
0.3227

■ 46.0117, 0.2245,
0.3233

■ 46.5178, 0.2275,
0.3240

■ 47.2417, 0.2323,
0.3246

■ 48.2132, 0.2389,
0.3253

■ 49.4569, 0.2475,
0.3260

■ 50.9949, 0.2579,
0.3266

■ 52.8467, 0.2699,
0.3273

■ 55.0304, 0.2833,
0.3279

■ 57.5624, 0.2977,
0.3285

Harmonies

Analogous

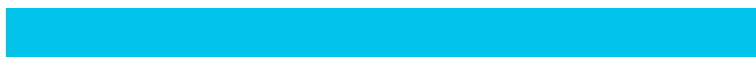
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.6682, 0.2600, 0.3819



45.6682, 0.2230, 0.3227



45.6682, 0.2091, 0.2729

Triad

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



45.6682, 0.2230, 0.3227



45.6682, 0.3034, 0.2524



45.6682, 0.4122, 0.4093

Complementary

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



45.6682, 0.2230, 0.3227



12.9376, 0.6385, 0.3310

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.



45.6682, 0.4285, 0.3686



45.6682, 0.2230, 0.3227



45.6682, 0.3626, 0.2826

Square

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



45.6682, 0.2230, 0.3227



45.6682, 0.2519, 0.2385



45.6682, 0.4103, 0.3236



45.6682, 0.3692, 0.4333

Rectangle

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



45.6682, 0.2230, 0.3227



45.6682, 0.2132, 0.2514



45.6682, 0.4103, 0.3236



45.6682, 0.4212, 0.3969

Sweetspot

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



45.6699, 0.2230, 0.3227



87.3026, 0.2692, 0.3272



43.2077, 0.2997, 0.5989



18.3949, 0.2639, 0.3270



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.



45.6699, 0.2230, 0.3227



75.5640, 0.2230, 0.3226



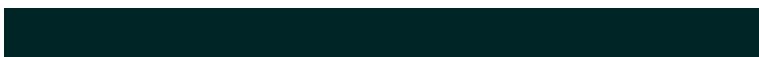
13.2524, 0.1755, 0.1515



12.6875, 0.2984, 0.3285



28.7511, 0.2230, 0.3228



1.4956, 0.2233, 0.3240

Inverse Universe

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



17.0192, 0.3259, 0.1570



28.1594, 0.3260, 0.1570



23.0683, 0.5364, 0.4121



11.3998, 0.3141, 0.3066



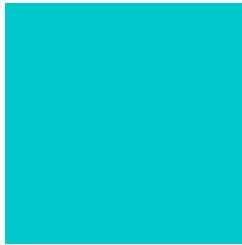
10.7054, 0.3259, 0.1569



0.5535, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 45.6682, 0.2230, 0.3227 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 45.6682, 0.2230, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

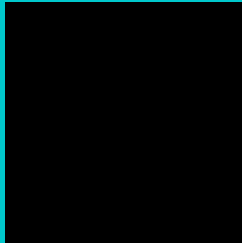
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6682, 0.2230, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 45.6682, 0.2230, 0.3227.



This preview shows how white text looks on a background with the Yxy color 45.6682, 0.2230, 0.3227.

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

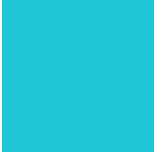
45.6682, 0.2230, 0.3227

Protanopia

45.1422, 0.3041, 0.3133

Deuteranopia

44.7490, 0.2905, 0.2836



Tritanopia

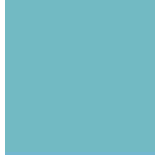
45.6015, 0.2204, 0.3040

Trichromacy



Original Color

45.6682, 0.2230, 0.3227



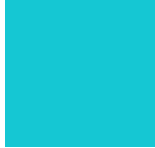
Protanomaly

42.6353, 0.2544, 0.3157



Deuteranomaly

42.0659, 0.2468, 0.2934



Tritanomaly

45.7094, 0.2211, 0.3111

Monochromacy



Original Color

45.6682, 0.2230, 0.3227



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.6947, 0.2527, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6682, 0.2230, 0.3227 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 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(0, 200, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 204) }
```

Border

The CSS property to change the border of an element to Yxy 45.6682, 0.2230, 0.3227 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, 204) }
```

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

```
.border{ border-color:rgb(0, 200, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6682, 0.2230, 0.3227 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, 204) }
```

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

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