

Converting Colors

$Y_{xy}(45.3817, 0.1972, 0.3311)$

Have a look what the booklet for
Yxy(45.3817, 0.1972, 0.3311)
contains.

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Color

Yxy(48.5022, 0.2255, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	00CECC
RGB	0, 206, 204
RGB Percent	0%, 81%, 80%
CMY	0.9984, 0.1922, 0.2000
CMYK	1.00, 0.00, 0.01, 0.19
HSL	179°, 100%, 40%
HSV	179°, 100%, 81%
XYZ	32.9733, 48.5022, 64.7476
YIQ	144.1780, -122.1340, -44.2940

Conversions

Conversions Part 2

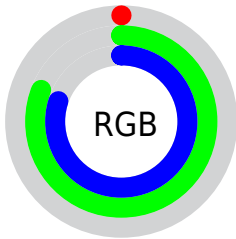
Format	Color
RYB	0, 104, 206
Decimal	52940
CIELab	75.14, -41.52, -11.04
CIELCh	75, 42.964, 194.896
Yxy	48.5022, 0.2255, 0.3317
Android (android.graphics.Color)	4278243020 (0xFF00CECC)
YUV	144.1780, 29.4922, -126.4441
Hunter-Lab	69.6435, -37.3638, -6.3715

Details

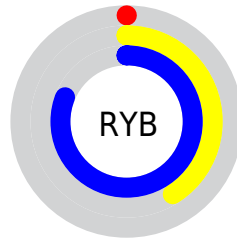
The Yxy color **48.5022, 0.2255, 0.3317** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.1359, 0.6389, 0.3295**, and the grayscale version is **27.9331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **24.3352, 0.2252, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **48.5011, 0.2255, 0.3317**, and if you desaturate by 10%, it is **48.6705, 0.2268, 0.3314**.

Distribution



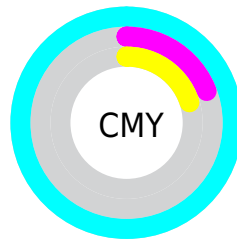
- Red (0%)
- Green (81%)
- Blue (80%)



- Red (0%)
- Yellow (41%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5022, 0.2255, 0.3317 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 48.5022, 0.2255, 0.3317 by changing the saturation by 10% instead.

 48.5022, 0.2255,
0.3317


 48.5022, 0.2255,
0.3317


380.7793, 0.2676,
0.3316


 34.2248, 0.2155,
0.3313


 87.9517, 0.2404,
0.3320

 23.0663, 0.2031,
0.3306


 113.8925, 0.2461,
0.3320


 14.6425, 0.1872,
0.3293


 144.4899, 0.2510,
0.3320

 8.5689, 0.1661,
0.3268

 180.1282, 0.2552,
0.3319

 4.4611, 0.1374,
0.3218

 221.1919, 0.2589,
0.3319

 1.9347, 0.0934,
0.3117

268.0654, 0.2621,

 0.5691, 0.0000,

0.3318

0.2807

321.1331, 0.2650,
0.3317

■ 0.0000, 0.0000,
0.0000

■ 48.5022, 0.2255,
0.3317

■ 48.5022, 0.2255,
0.3317

■ 48.5011, 0.2255,
0.3317

■ 48.6705, 0.2268,
0.3314

■ 49.0047, 0.2294,
0.3311

■ 49.5613, 0.2339,
0.3308

■ 50.3705, 0.2403,
0.3305

■ 51.4577, 0.2485,
0.3302

■ 52.8454, 0.2586,
0.3299

■ 54.5537, 0.2704,
0.3297

■ 56.6009, 0.2836,
0.3294

■ 59.0041, 0.2979,
0.3292

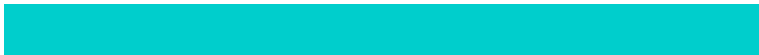
Harmonies

Analogous

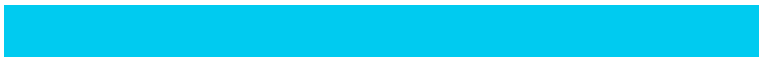
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5022, 0.2664, 0.3918



48.5022, 0.2255, 0.3317



48.5022, 0.2076, 0.2782

Triad

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



48.5022, 0.2255, 0.3317



48.5022, 0.2941, 0.2475



48.5022, 0.4190, 0.4052

Complementary

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



48.5022, 0.2255, 0.3317



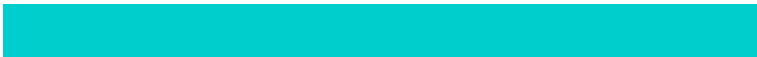
13.1359, 0.6389, 0.3295

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.



48.5022, 0.4306, 0.3622



48.5022, 0.2255, 0.3317



48.5022, 0.3545, 0.2760

Square

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



48.5022, 0.2255, 0.3317



48.5022, 0.2440, 0.2362



48.5022, 0.4066, 0.3165



48.5022, 0.3783, 0.4336

Rectangle

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



48.5022, 0.2255, 0.3317



48.5022, 0.2093, 0.2539



48.5022, 0.4066, 0.3165



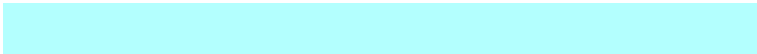
48.5022, 0.4266, 0.3917

Sweetspot

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



48.5040, 0.2255, 0.3317



88.2163, 0.2697, 0.3297



44.1676, 0.3003, 0.5996



18.6179, 0.2645, 0.3298



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.



48.5040, 0.2255, 0.3317



78.5811, 0.2255, 0.3317



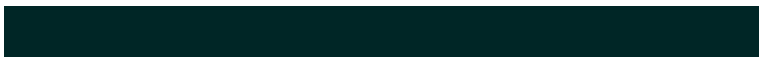
14.8978, 0.1785, 0.1625



12.7251, 0.2985, 0.3292



29.8669, 0.2255, 0.3317



1.5414, 0.2253, 0.3311

Inverse Universe

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



13.1359, 0.6389, 0.3295



21.2654, 0.6394, 0.3296



22.1947, 0.5463, 0.4043



11.2154, 0.3289, 0.3288



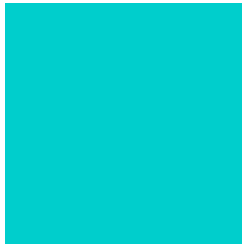
8.0835, 0.6389, 0.3293



0.4177, 0.6349, 0.3271

Previews

White Background



This preview shows how the Yxy color 48.5022, 0.2255, 0.3317 looks on a white background.

Color Contrast Check

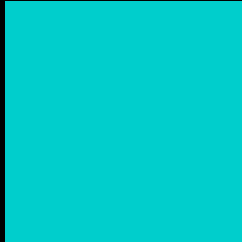
Large Text (above 18pt) WCAG AA × Fail

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 48.5022, 0.2255, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

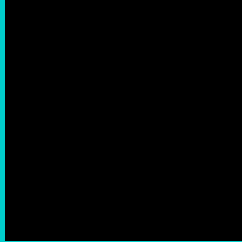
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

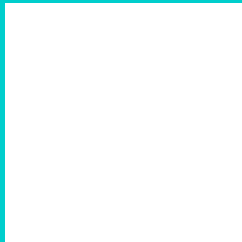
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5022, 0.2255, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 48.5022, 0.2255, 0.3317.



This preview shows how white text looks on a background with the Yxy color 48.5022, 0.2255, 0.3317.

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

48.5022, 0.2255, 0.3317

Protanopia

47.8990, 0.3089, 0.3201

Deuteranopia

47.7122, 0.2971, 0.2908



Tritanopia

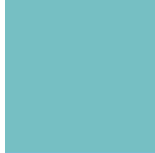
48.7844, 0.2218, 0.3061

Trichromacy



Original Color

48.5022, 0.2255, 0.3317



Protanomaly

45.0533, 0.2578, 0.3231



Deuteranomaly

44.9423, 0.2511, 0.3023



Tritanomaly

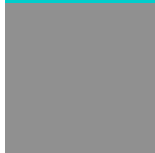
48.7244, 0.2227, 0.3158

Monochromacy



Original Color

48.5022, 0.2255, 0.3317



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.6659, 0.2541, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5022, 0.2255, 0.3317 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, 206, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 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, 206, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 204) }
```

Border

The CSS property to change the border of an element to Yxy 48.5022, 0.2255, 0.3317 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, 206, 204) }
```

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

```
.border{ border-color:rgb(0, 206, 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, 206, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5022, 0.2255, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 204) }
```

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

```
.background{ background-color: rgb(0, 206,  
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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