

Converting Colors

$Y_{xy}(40.7494, 0.1768, 0.2981)$

Have a look what the booklet for
Yxy(40.7494, 0.1768, 0.2981)
contains.

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Color

Yxy(44.8904, 0.2169, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	00C5D8
RGB	0, 197, 216
RGB Percent	0%, 77%, 85%
CMY	1.0000, 0.2274, 0.1529
CMYK	1.00, 0.09, 0.00, 0.15
HSL	185°, 100%, 42%
HSV	185°, 100%, 85%
XYZ	32.3587, 44.8904, 71.9380
YIQ	140.2630, -123.5110, -35.8550

Conversions

Conversions Part 2

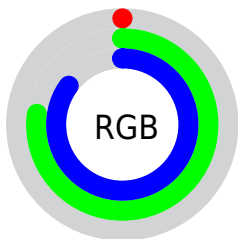
Format	Color
RYB	0, 103, 216
Decimal	50648
CIELab	72.82, -33.71, -21.06
CIELCh	73, 39.748, 211.986
Yxy	44.8904, 0.2169, 0.3009
Android (android.graphics.Color)	4278240728 (0xFF00C5D8)
YUV	140.2630, 37.3383, -123.0107
Hunter-Lab	67.0003, -31.0416, -16.7593

Details

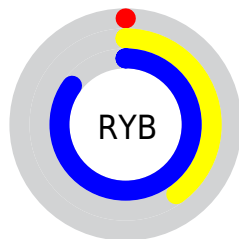
The Yxy color **44.8904, 0.2169, 0.3009** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.0683, 0.6342, 0.3346**, and the grayscale version is **26.2236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2294, 0.2402, 0.3276**, and **22.2181, 0.2150, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **44.8946, 0.2169, 0.3009**, and if you desaturate by 10%, it is **45.9297, 0.2191, 0.3039**.

Distribution



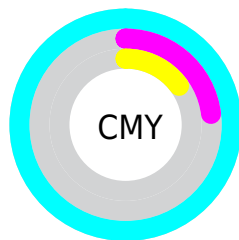
- Red (0%)
- Green (77%)
- Blue (85%)



- Red (0%)
- Yellow (40%)
- Blue (85%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8904, 0.2169, 0.3009 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 44.8904, 0.2169, 0.3009 by changing the saturation by 10% instead.


 44.8904, 0.2169,
0.3009


 44.8904, 0.2169,
0.3009


366.3295, 0.2631,
0.3166

 31.3711, 0.2060,
0.2966


 82.5559, 0.2332,
0.3069

 20.8816, 0.1924,
0.2908


 107.4709, 0.2395,
0.3091

 13.0375, 0.1751,
0.2827


 136.9533, 0.2449,
0.3109

 7.4544, 0.1525,
0.2710

 171.3875, 0.2495,
0.3124

 3.7478, 0.1223,
0.2527

 211.1578, 0.2536,
0.3137

 1.5335, 0.0765,
0.2230

256.6486, 0.2571,

 0.3122, 0.0000,

0.3148

0.1302

308.2444, 0.2603,
0.3158

■ 0.0000, 0.0000,
0.0000

■ 44.8904, 0.2169,
0.3009

■ 44.8904, 0.2169,
0.3009

■ 44.8946, 0.2169,
0.3009

■ 45.9297, 0.2191,
0.3039

■ 47.1616, 0.2228,
0.3069

■ 48.6517, 0.2284,
0.3099

■ 50.4342, 0.2359,
0.3130

■ 52.5381, 0.2452,
0.3159

■ 54.9886, 0.2563,
0.3189

■ 57.8084, 0.2689,
0.3217

■ 61.0182, 0.2827,
0.3243

■ 64.6372, 0.2974,
0.3267

Harmonies

Analogous

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



44.8904, 0.2441, 0.3568



44.8904, 0.2169, 0.3009



44.8904, 0.2130, 0.2604

Triad

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



44.8904, 0.2169, 0.3009



44.8904, 0.3276, 0.2650



44.8904, 0.3946, 0.4197

Complementary

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



44.8904, 0.2169, 0.3009



15.0683, 0.6342, 0.3346

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.



44.8904, 0.4225, 0.3853



44.8904, 0.2169, 0.3009



44.8904, 0.3829, 0.2996

Square

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



44.8904, 0.2169, 0.3009



44.8904, 0.2726, 0.2443



44.8904, 0.4189, 0.3421



44.8904, 0.3460, 0.4313

Rectangle

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



44.8904, 0.2169, 0.3009



44.8904, 0.2234, 0.2456



44.8904, 0.4189, 0.3421



44.8904, 0.4069, 0.4100

Sweetspot

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



44.8946, 0.2169, 0.3009



84.0432, 0.2685, 0.3216



49.1659, 0.2987, 0.5952



17.6017, 0.2630, 0.3204



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.



44.8946, 0.2169, 0.3009



65.2466, 0.2169, 0.3006



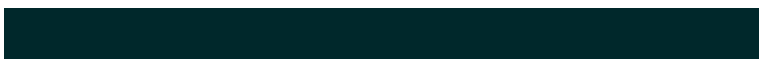
12.2727, 0.1693, 0.1294



13.9122, 0.2983, 0.3269



26.6485, 0.2171, 0.3014



1.6634, 0.2185, 0.3065

Inverse Universe

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



18.6336, 0.3446, 0.1672



27.1178, 0.3449, 0.1673



29.5268, 0.5177, 0.4271



12.6130, 0.3151, 0.3080



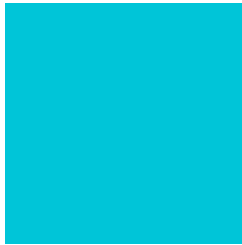
11.0350, 0.3442, 0.1670



0.6712, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 44.8904, 0.2169, 0.3009 looks on a white background.

Color Contrast Check

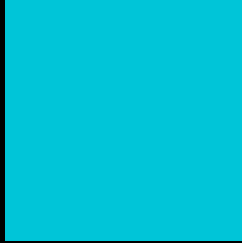
Large Text (above 18pt) WCAG AA × Fail

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 44.8904, 0.2169, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

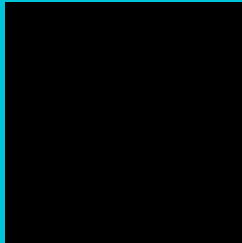
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8904, 0.2169, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 44.8904, 0.2169, 0.3009.



This preview shows how white text looks on a background with the Yxy color 44.8904, 0.2169, 0.3009.

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

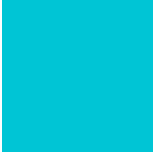
44.8904, 0.2169, 0.3009

Protanopia

44.1992, 0.2900, 0.2952

Deuteranopia

44.2632, 0.2756, 0.2698



Tritanopia

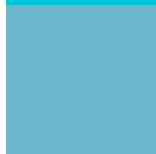
44.7366, 0.2181, 0.3051

Trichromacy



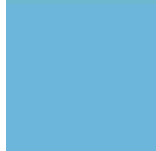
Original Color

44.8904, 0.2169, 0.3009



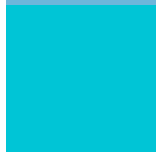
Protanomaly

42.1010, 0.2449, 0.2960



Deuteranomaly

41.8216, 0.2375, 0.2772



Tritanomaly

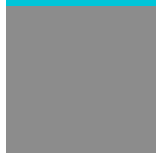
44.7875, 0.2177, 0.3037

Monochromacy



Original Color

44.8904, 0.2169, 0.3009



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.4407, 0.2492, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8904, 0.2169, 0.3009 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, 197, 216)` looks like.

```
.text, #text, p{  
  color:rgb(0, 197, 216)  
}
```

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, 197, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 216) }
```

Border

The CSS property to change the border of an element to Yxy 44.8904, 0.2169, 0.3009 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, 197, 216) }
```

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

```
.border{ border-color:rgb(0, 197, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8904, 0.2169, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 216) }
```

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

```
.background{ background-color: rgb(0, 197,  
216) }
```

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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