

Converting Colors

$Y_{xy}(43.2190, 0.1719, 0.2934)$

Have a look what the booklet for
Yxy(43.2190, 0.1719, 0.2934)
contains.

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Color

Yxy(48.2029, 0.2156, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	00CBE2
RGB	0, 203, 226
RGB Percent	0%, 80%, 89%
CMY	1.0000, 0.2039, 0.1137
CMYK	1.00, 0.10, 0.00, 0.11
HSL	186°, 100%, 44%
HSV	186°, 100%, 89%
XYZ	35.0744, 48.2029, 79.4055
YIQ	144.9250, -128.3710, -35.8830

Conversions

Conversions Part 2

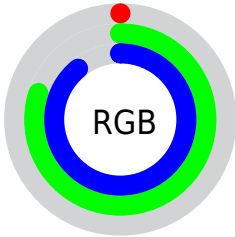
Format	Color
RYB	0, 107, 226
Decimal	52194
CIELab	74.95, -33.40, -23.21
CIELCh	75, 40.672, 214.792
Yxy	48.2029, 0.2156, 0.2963
Android (android.graphics.Color)	4278242274 (0xFF00CBE2)
YUV	144.9250, 39.9700, -127.0992
Hunter-Lab	69.4283, -31.3233, -19.2104

Details

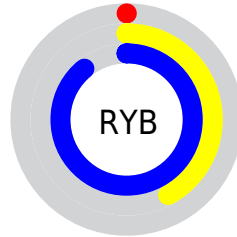
The Yxy color **48.2029, 0.2156, 0.2963** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.7807, 0.6331, 0.3355**, and the grayscale version is **28.1610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **24.1201, 0.2128, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **48.2104, 0.2156, 0.2963**, and if you desaturate by 10%, it is **49.4816, 0.2180, 0.2998**.

Distribution



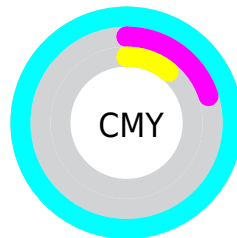
- Red (0%)
- Green (80%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (20%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2029, 0.2156, 0.2963 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 48.2029, 0.2156, 0.2963 by changing the saturation by 10% instead.


 48.2029, 0.2156,
0.2963

 48.2029, 0.2156,
0.2963

 379.5958, 0.2618,
0.3141


 33.9876, 0.2049,
0.2915


 87.5064, 0.2318,
0.3030


 22.8841, 0.1917,
0.2853


 113.3634, 0.2380,
0.3055


 14.5079, 0.1749,
0.2768


 143.8698, 0.2434,
0.3075

 8.4748, 0.1533,
0.2646

 179.4099, 0.2481,
0.3092

 4.4002, 0.1248,
0.2463

 220.3682, 0.2521,
0.3107

 1.8999, 0.0864,
0.2167

267.1290, 0.2557,

 0.5483, 0.0000,

0.3120

0.1617

320.0767, 0.2589,
0.3131

■ 0.0000, 0.0000,
0.0000

■ 48.2029, 0.2156,
0.2963

■ 48.2029, 0.2156,
0.2963

■ 48.2104, 0.2156,
0.2963

■ 49.4816, 0.2180,
0.2998

■ 50.9765, 0.2218,
0.3033

■ 52.7619, 0.2275,
0.3068

■ 54.8764, 0.2352,
0.3104

■ 57.3521, 0.2447,
0.3139

■ 60.2174, 0.2559,
0.3173

■ 63.4977, 0.2686,
0.3205

■ 67.2162, 0.2826,
0.3235

■ 71.3942, 0.2973,
0.3264

Harmonies

Analogous

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



48.2029, 0.2407, 0.3513



48.2029, 0.2156, 0.2963



48.2029, 0.2139, 0.2578

Triad

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



48.2029, 0.2156, 0.2963



48.2029, 0.3331, 0.2677



48.2029, 0.3907, 0.4219

Complementary

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



48.2029, 0.2156, 0.2963



16.7807, 0.6331, 0.3355

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.



48.2029, 0.4210, 0.3891



48.2029, 0.2156, 0.2963



48.2029, 0.3873, 0.3034

Square

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



48.2029, 0.2156, 0.2963



48.2029, 0.2773, 0.2455



48.2029, 0.4206, 0.3462



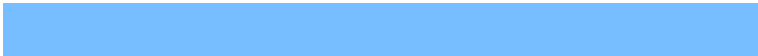
48.2029, 0.3408, 0.4306

Rectangle

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



48.2029, 0.2156, 0.2963



48.2029, 0.2257, 0.2443



48.2029, 0.4206, 0.3462



48.2029, 0.4036, 0.4129

Sweetspot

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



48.2104, 0.2156, 0.2963



83.4006, 0.2684, 0.3204



54.4525, 0.2984, 0.5941



17.4456, 0.2628, 0.3191



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.



48.2104, 0.2156, 0.2963



63.2960, 0.2156, 0.2961



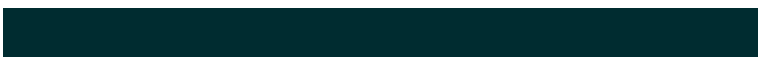
12.8709, 0.1678, 0.1240



15.3216, 0.2982, 0.3265



27.6056, 0.2158, 0.2969



1.9832, 0.2173, 0.3022

Inverse Universe

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



20.4812, 0.3487, 0.1695



26.9209, 0.3489, 0.1696



33.6643, 0.5132, 0.4307



13.9104, 0.3153, 0.3082



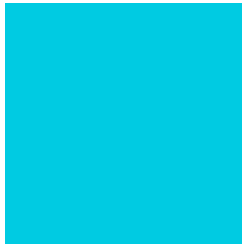
11.6949, 0.3482, 0.1692



0.8177, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 48.2029, 0.2156, 0.2963 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 48.2029, 0.2156, 0.2963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

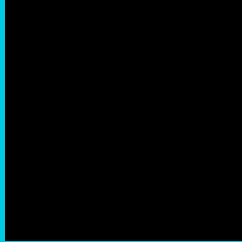
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2029, 0.2156, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 48.2029, 0.2156, 0.2963.



This preview shows how white text looks on a background with the Yxy color 48.2029, 0.2156, 0.2963.

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

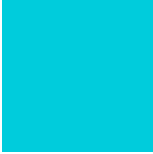
48.2029, 0.2156, 0.2963

Protanopia

47.6743, 0.2870, 0.2913

Deuteranopia

47.6421, 0.2725, 0.2669



Tritanopia

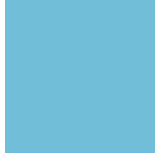
48.3530, 0.2183, 0.3059

Trichromacy



Original Color

48.2029, 0.2156, 0.2963



Protanomaly

45.3474, 0.2427, 0.2916



Deuteranomaly

45.0683, 0.2357, 0.2737



Tritanomaly

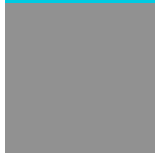
48.4597, 0.2175, 0.3031

Monochromacy



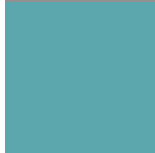
Original Color

48.2029, 0.2156, 0.2963



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.6037, 0.2487, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2029, 0.2156, 0.2963 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, 203, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 226)  
}
```

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, 203, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 226) }
```

Border

The CSS property to change the border of an element to Yxy 48.2029, 0.2156, 0.2963 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, 203, 226) }
```

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

```
.border{ border-color:rgb(0, 203, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2029, 0.2156, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 226) }
```

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

```
.background{ background-color: rgb(0, 203,  
226) }
```

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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