

Converting Colors

$Y_{xy}(47.8189, 0.2075, 0.2974)$

Have a look what the booklet for
Yxy(47.8189, 0.2075, 0.2974)
contains.

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Color

Yxy(48.6767, 0.2160, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	00CCE2
RGB	0, 204, 226
RGB Percent	0%, 80%, 89%
CMY	1.0000, 0.2000, 0.1136
CMYK	1.00, 0.10, 0.00, 0.11
HSL	186°, 100%, 44%
HSV	186°, 100%, 89%
XYZ	35.3180, 48.6767, 79.5145
YIQ	145.5120, -128.6460, -36.4060

Conversions

Conversions Part 2

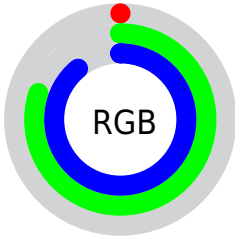
Format	Color
RYB	0, 107, 226
Decimal	52450
CIELab	75.25, -33.85, -22.78
CIELCh	75, 40.803, 213.934
Yxy	48.6767, 0.2160, 0.2977
Android (android.graphics.Color)	4278242530 (0xFF00CCE2)
YUV	145.5120, 39.6806, -127.6140
Hunter-Lab	69.7687, -31.7357, -18.7340

Details

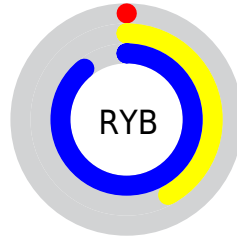
The Yxy color **48.6767, 0.2160, 0.2977** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.7506, 0.6336, 0.3351**, and the grayscale version is **28.4129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **24.4352, 0.2134, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **48.6828, 0.2160, 0.2977**, and if you desaturate by 10%, it is **49.9152, 0.2183, 0.3010**.

Distribution



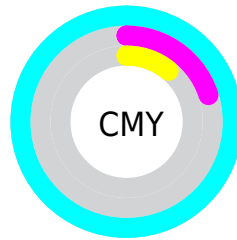
- Red (0%)
- Green (80%)
- Blue (89%)



- 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 48.6767, 0.2160, 0.2977 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 48.6767, 0.2160, 0.2977 by changing the saturation by 10% instead.


 48.6767, 0.2160,
0.2977


 48.6767, 0.2160,
0.2977


381.4682, 0.2620,
0.3148


 34.3631, 0.2054,
0.2931


 88.2111, 0.2321,
0.3042

 23.1727, 0.1922,
0.2871


 114.2007, 0.2383,
0.3065


 14.7211, 0.1756,
0.2789


 144.8510, 0.2437,
0.3085

 8.6239, 0.1541,
0.2671

 180.5465, 0.2483,
0.3101

 4.4967, 0.1258,
0.2494

 221.6716, 0.2523,
0.3116

 1.9551, 0.0878,
0.2206

268.6106, 0.2559,

 0.5812, 0.0000,

0.3128

0.1691

321.7480, 0.2591,
0.3138

■ 0.0000, 0.0000,
0.0000

■ 48.6767, 0.2160,
0.2977

■ 48.6767, 0.2160,
0.2977

■ 48.6828, 0.2160,
0.2977

■ 49.9152, 0.2183,
0.3010

■ 51.3701, 0.2221,
0.3044

■ 53.1144, 0.2277,
0.3078

■ 55.1866, 0.2353,
0.3112

■ 57.6188, 0.2448,
0.3145

■ 60.4395, 0.2560,
0.3177

■ 63.6741, 0.2687,
0.3208

■ 67.3456, 0.2826,
0.3238

■ 71.4756, 0.2973,
0.3265

Harmonies

Analogous

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



48.6767, 0.2418, 0.3530



48.6767, 0.2160, 0.2977



48.6767, 0.2137, 0.2586

Triad

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



48.6767, 0.2160, 0.2977



48.6767, 0.3314, 0.2669



48.6767, 0.3919, 0.4213

Complementary

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



48.6767, 0.2160, 0.2977



16.7506, 0.6336, 0.3351

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.



48.6767, 0.4215, 0.3879



48.6767, 0.2160, 0.2977



48.6767, 0.3860, 0.3022

Square

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



48.6767, 0.2160, 0.2977



48.6767, 0.2759, 0.2451



48.6767, 0.4201, 0.3450



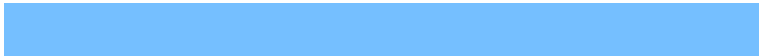
48.6767, 0.3424, 0.4308

Rectangle

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



48.6767, 0.2160, 0.2977



48.6767, 0.2250, 0.2447



48.6767, 0.4201, 0.3450



48.6767, 0.4046, 0.4120

Sweetspot

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



48.6828, 0.2160, 0.2977



83.5984, 0.2684, 0.3208



54.4618, 0.2987, 0.5954



17.4937, 0.2629, 0.3195



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.



48.6828, 0.2160, 0.2977



63.8936, 0.2160, 0.2975



13.5314, 0.1692, 0.1289



15.3320, 0.2982, 0.3266



27.8598, 0.2162, 0.2982



1.9982, 0.2176, 0.3034

Inverse Universe

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



20.5355, 0.3474, 0.1688



26.9812, 0.3476, 0.1689



32.6394, 0.5180, 0.4269



13.9114, 0.3153, 0.3081



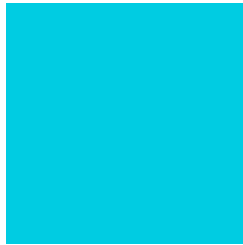
11.7205, 0.3470, 0.1685



0.8192, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 48.6767, 0.2160, 0.2977 looks on a white background.

Color Contrast Check

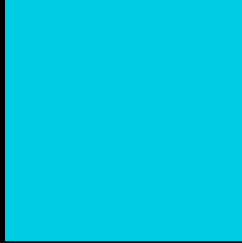
Large Text (above 18pt) WCAG AA × Fail

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 48.6767, 0.2160, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

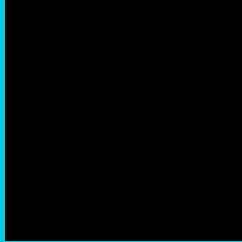
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6767, 0.2160, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 48.6767, 0.2160, 0.2977.



This preview shows how white text looks on a background with the Yxy color 48.6767, 0.2160, 0.2977.

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

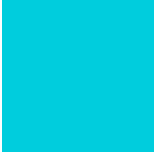
48.6767, 0.2160, 0.2977

Protanopia

47.7931, 0.2878, 0.2914

Deuteranopia

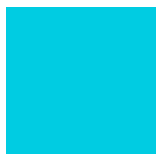
47.7591, 0.2732, 0.2670



Tritanopia

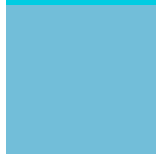
48.8831, 0.2183, 0.3060

Trichromacy



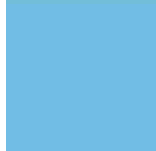
Original Color

48.6767, 0.2160, 0.2977



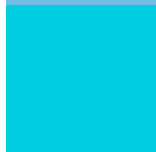
Protanomaly

45.4141, 0.2433, 0.2917



Deuteranomaly

45.5630, 0.2365, 0.2752



Tritanomaly

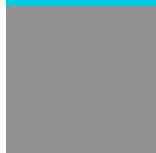
48.9904, 0.2176, 0.3032

Monochromacy



Original Color

48.6767, 0.2160, 0.2977



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.0597, 0.2490, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6767, 0.2160, 0.2977 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, 204, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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, 204, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 226) }
```

Border

The CSS property to change the border of an element to Yxy 48.6767, 0.2160, 0.2977 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, 204, 226) }
```

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

```
.border{ border-color:rgb(0, 204, 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, 204, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6767, 0.2160, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 226) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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