

Converting Colors

$Y_{xy}(46.7067, 0.2103, 0.3048)$

Have a look what the booklet for
Yxy(46.7067, 0.2103, 0.3048)
contains.

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Color

Yxy(47.8263, 0.2183, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	00CBDB
RGB	0, 203, 219
RGB Percent	0%, 80%, 86%
CMY	0.9987, 0.2039, 0.1413
CMYK	1.00, 0.07, 0.00, 0.14
HSL	184°, 100%, 43%
HSV	184°, 100%, 86%
XYZ	34.1415, 47.8263, 74.4295
YIQ	144.1270, -126.1240, -38.0600

Conversions

Conversions Part 2

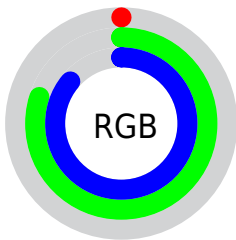
Format	Color
RYB	0, 105, 219
Decimal	52187
CIELab	74.72, -35.59, -19.78
CIELCh	75, 40.711, 209.061
Yxy	47.8263, 0.2183, 0.3058
Android (android.graphics.Color)	4278242267 (0xFF00CBDB)
YUV	144.1270, 36.9124, -126.3994
Hunter-Lab	69.1566, -32.9013, -15.4010

Details

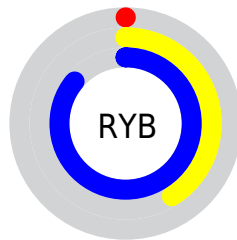
The Yxy color **47.8263, 0.2183, 0.3058** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.4359, 0.6353, 0.3336**, and the grayscale version is **27.8709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **23.8601, 0.2162, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **47.8146, 0.2183, 0.3058**, and if you desaturate by 10%, it is **48.7584, 0.2203, 0.3082**.

Distribution



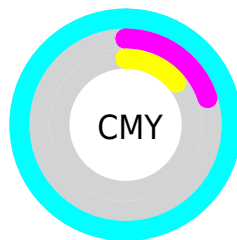
- Red (0%)
- Green (80%)
- Blue (86%)



- Red (0%)
- Yellow (41%)
- Blue (86%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8263, 0.2183, 0.3058 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 47.8263, 0.2183, 0.3058 by changing the saturation by 10% instead.


 47.8263, 0.2183,
0.3058


 47.8263, 0.2183,
0.3058


378.1032, 0.2634,
0.3189


 33.6894, 0.2078,
0.3021


 86.9457, 0.2342,
0.3109

 22.6551, 0.1947,
0.2973


 112.6970, 0.2403,
0.3127

 14.3390, 0.1781,
0.2905


 143.0885, 0.2455,
0.3142

 8.3568, 0.1565,
0.2805

 178.5046, 0.2501,
0.3154

 4.3241, 0.1276,
0.2650

 219.3297, 0.2541,
0.3165

 1.8565, 0.0874,
0.2388

265.9483, 0.2576,

 0.5220, 0.0000,

0.3174

0.1833

318.7447, 0.2607,
0.3182

■ 0.0000, 0.0000,
0.0000

■ 47.8263, 0.2183,
0.3058

■ 47.8263, 0.2183,
0.3058

■ 47.8146, 0.2183,
0.3058

■ 48.7584, 0.2203,
0.3082

■ 49.8906, 0.2239,
0.3107

■ 51.2863, 0.2292,
0.3132

■ 52.9809, 0.2366,
0.3157

■ 55.0041, 0.2458,
0.3182

■ 57.3819, 0.2567,
0.3206

■ 60.1378, 0.2692,
0.3229

■ 63.2933, 0.2829,
0.3251

■ 66.8680, 0.2976,
0.3271

Harmonies

Analogous

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



47.8263, 0.2478, 0.3625



47.8263, 0.2183, 0.3058



47.8263, 0.2121, 0.2632

Triad

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



47.8263, 0.2183, 0.3058



47.8263, 0.3220, 0.2621



47.8263, 0.3987, 0.4173

Complementary

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



47.8263, 0.2183, 0.3058



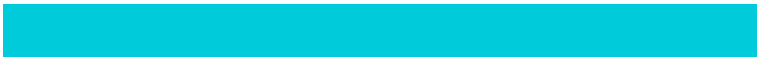
15.4359, 0.6353, 0.3336

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.



47.8263, 0.4239, 0.3814



47.8263, 0.2183, 0.3058



47.8263, 0.3783, 0.2957

Square

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



47.8263, 0.2183, 0.3058



47.8263, 0.2678, 0.2430



47.8263, 0.4170, 0.3378



47.8263, 0.3513, 0.4319

Rectangle

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



47.8263, 0.2183, 0.3058



47.8263, 0.2210, 0.2469



47.8263, 0.4170, 0.3378



47.8263, 0.4102, 0.4070

Sweetspot

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



47.8280, 0.2183, 0.3058



84.7509, 0.2687, 0.3228



50.6847, 0.2990, 0.5964



17.7736, 0.2632, 0.3219



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.



47.8280, 0.2183, 0.3058



67.4271, 0.2182, 0.3056



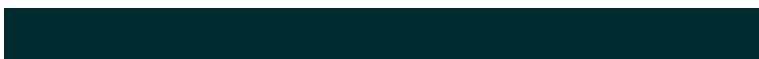
13.3127, 0.1708, 0.1346



14.6582, 0.2982, 0.3272



28.4299, 0.2184, 0.3061



1.8915, 0.2195, 0.3101

Inverse Universe

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



19.3747, 0.3403, 0.1649



27.3380, 0.3405, 0.1650



29.5284, 0.5224, 0.4233



13.2576, 0.3149, 0.3076



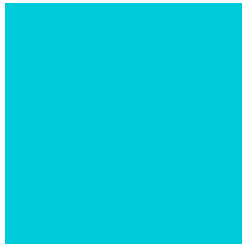
11.4938, 0.3401, 0.1647



0.7496, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 47.8263, 0.2183, 0.3058 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 47.8263, 0.2183, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

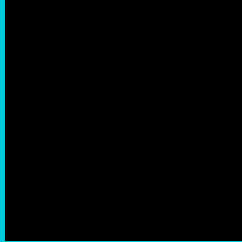
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8263, 0.2183, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 47.8263, 0.2183, 0.3058.

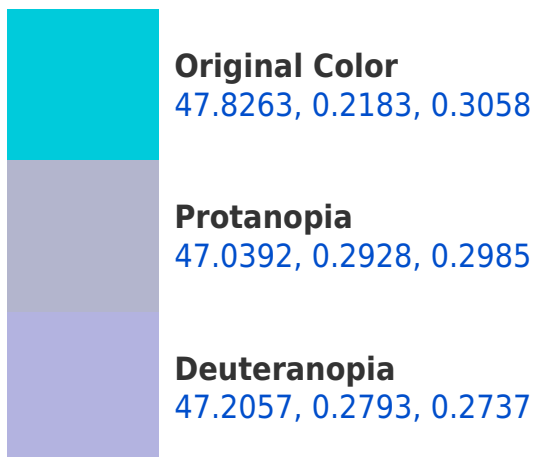


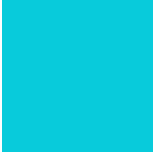
This preview shows how white text looks on a background with the Yxy color 47.8263, 0.2183, 0.3058.

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





Tritanopia

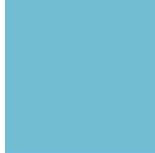
47.8780, 0.2187, 0.3058

Trichromacy



Original Color

47.8263, 0.2183, 0.3058



Protanomaly

44.6257, 0.2467, 0.2994



Deuteranomaly

44.8178, 0.2402, 0.2825



Tritanomaly

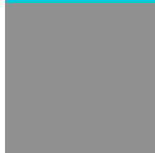
47.8586, 0.2185, 0.3058

Monochromacy



Original Color

47.8263, 0.2183, 0.3058



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.1259, 0.2503, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8263, 0.2183, 0.3058 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 219) }
```

Border

The CSS property to change the border of an element to Yxy 47.8263, 0.2183, 0.3058 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, 219) }
```

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

```
.border{ border-color:rgb(0, 203, 219) }
```

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, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8263, 0.2183, 0.3058 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, 219) }
```

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

```
.background{ background-color: rgb(0, 203,  
219) }
```

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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