

Converting Colors

$Y_{xy}(43.5160, 0.2175, 0.3031)$

Have a look what the booklet for
Yxy(43.5160, 0.2175, 0.3031)
contains.

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Color

Yxy(43.3370, 0.2172, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	00C2D4
RGB	0, 194, 212
RGB Percent	0%, 76%, 83%
CMY	1.0000, 0.2392, 0.1687
CMYK	1.00, 0.08, 0.00, 0.17
HSL	185°, 100%, 42%
HSV	185°, 100%, 83%
XYZ	31.1682, 43.3370, 68.9948
YIQ	138.0460, -121.4020, -35.5300

Conversions

Conversions Part 2

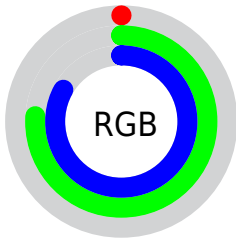
Format	Color
RYB	0, 101, 212
Decimal	49876
CIELab	71.78, -33.58, -20.43
CIELCh	72, 39.309, 211.320
Yxy	43.3370, 0.2172, 0.3020
Android (android.graphics.Color)	4278239956 (0xFF00C2D4)
YUV	138.0460, 36.4593, -121.0663
Hunter-Lab	65.8308, -30.6916, -16.0580

Details

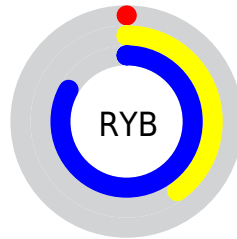
The Yxy color **43.3370, 0.2172, 0.3020** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.4254, 0.6344, 0.3345**, and the grayscale version is **25.3291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2785, 0.2391, 0.3241**, and **21.1905, 0.2153, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **43.3417, 0.2172, 0.3020**, and if you desaturate by 10%, it is **44.3080, 0.2194, 0.3048**.

Distribution



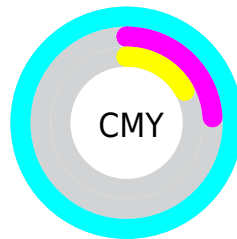
- Red (0%)
- Green (76%)
- Blue (83%)



- Red (0%)
- Yellow (40%)
- Blue (83%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3370, 0.2172, 0.3020 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 43.3370, 0.2172, 0.3020 by changing the saturation by 10% instead.


 43.3370, 0.2172,
0.3020


 43.3370, 0.2172,
0.3020

359.9958, 0.2636,
0.3172

 30.1496, 0.2062,
0.2977


 80.2192, 0.2337,
0.3079

 19.9522, 0.1924,
0.2920


 104.6827, 0.2400,
0.3100


 12.3603, 0.1748,
0.2840


 133.6738, 0.2453,
0.3117

 6.9895, 0.1517,
0.2722

 167.5768, 0.2500,
0.3132

 3.4556, 0.1205,
0.2536

 206.7761, 0.2540,
0.3144

 1.3739, 0.0685,
0.2239

251.6561, 0.2576,

 0.1974, 0.0000,

0.3155

0.0981

302.6012, 0.2608,
0.3164

■ 0.0000, 0.0000,
0.0000

■ 43.3370, 0.2172,
0.3020

■ 43.3370, 0.2172,
0.3020

■ 43.3417, 0.2172,
0.3020

■ 44.3080, 0.2194,
0.3048

■ 45.4614, 0.2231,
0.3077

■ 46.8612, 0.2286,
0.3107

■ 48.5403, 0.2361,
0.3136

■ 50.5259, 0.2454,
0.3164

■ 52.8423, 0.2564,
0.3192

■ 55.5111, 0.2690,
0.3219

■ 58.5522, 0.2827,
0.3245

■ 61.9837, 0.2974,
0.3268

Harmonies

Analogous

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



43.3370, 0.2449, 0.3581



43.3370, 0.2172, 0.3020



43.3370, 0.2128, 0.2610

Triad

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



43.3370, 0.2172, 0.3020



43.3370, 0.3263, 0.2643



43.3370, 0.3956, 0.4192

Complementary

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



43.3370, 0.2172, 0.3020



14.4254, 0.6344, 0.3345

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.



43.3370, 0.4228, 0.3845



43.3370, 0.2172, 0.3020



43.3370, 0.3819, 0.2987

Square

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



43.3370, 0.2172, 0.3020



43.3370, 0.2715, 0.2440



43.3370, 0.4185, 0.3411



43.3370, 0.3472, 0.4315

Rectangle

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



43.3370, 0.2172, 0.3020



43.3370, 0.2228, 0.2458



43.3370, 0.4185, 0.3411



43.3370, 0.4077, 0.4093

Sweetspot

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



43.3417, 0.2172, 0.3020



84.1969, 0.2685, 0.3218



47.1191, 0.2987, 0.5952



17.6390, 0.2630, 0.3207



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.



43.3417, 0.2172, 0.3020



65.7175, 0.2172, 0.3017



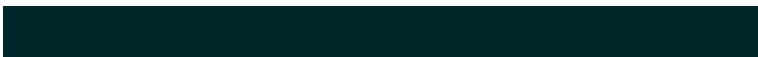
11.7853, 0.1694, 0.1296



13.9194, 0.2983, 0.3270



26.8358, 0.2173, 0.3024



1.6728, 0.2187, 0.3074

Inverse Universe

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



17.8896, 0.3437, 0.1667



27.1654, 0.3439, 0.1668



28.3228, 0.5176, 0.4272



12.6137, 0.3151, 0.3079



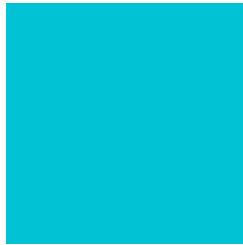
11.0539, 0.3433, 0.1665



0.6722, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 43.3370, 0.2172, 0.3020 looks on a white background.

Color Contrast Check

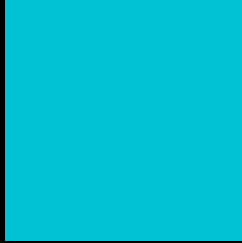
Large Text (above 18pt) WCAG AA × Fail

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 43.3370, 0.2172, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

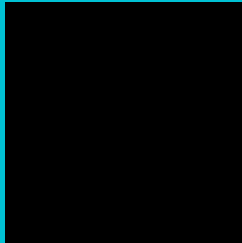
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

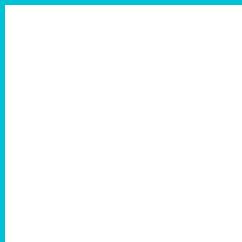
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.3370, 0.2172, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 43.3370, 0.2172, 0.3020.

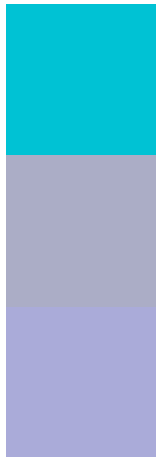


This preview shows how white text looks on a background with the Yxy color 43.3370, 0.2172, 0.3020.

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

43.3370, 0.2172, 0.3020

Protanopia

42.6223, 0.2912, 0.2960

Deuteranopia

42.6816, 0.2765, 0.2703



Tritanopia

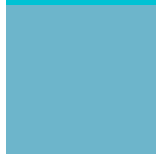
43.2367, 0.2180, 0.3048

Trichromacy



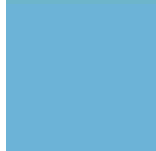
Original Color

43.3370, 0.2172, 0.3020



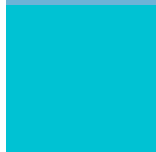
Protanomaly

40.6108, 0.2457, 0.2969



Deuteranomaly

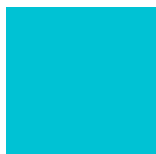
40.3346, 0.2382, 0.2779



Tritanomaly

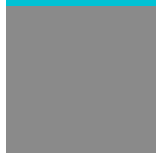
43.2867, 0.2176, 0.3034

Monochromacy



Original Color

43.3370, 0.2172, 0.3020



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.2450, 0.2496, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3370, 0.2172, 0.3020 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, 194, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 212)  
}
```

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, 194, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 212) }
```

Border

The CSS property to change the border of an element to Yxy 43.3370, 0.2172, 0.3020 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, 194, 212) }
```

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

```
.border{ border-color:rgb(0, 194, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3370, 0.2172, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 212) }
```

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

```
.background{ background-color: rgb(0, 194,  
212) }
```

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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