

Converting Colors

$Y_{xy}(36.6322, 0.1528, 0.3000)$

Have a look what the booklet for
Yxy(36.6322, 0.1528, 0.3000)
contains.

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Color

Yxy(42.7931, 0.2176, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	00C1D2
RGB	0, 193, 210
RGB Percent	0%, 76%, 82%
CMY	0.9992, 0.2431, 0.1766
CMYK	1.00, 0.08, 0.00, 0.18
HSL	185°, 100%, 41%
HSV	185°, 100%, 82%
XYZ	30.7015, 42.7931, 67.5970
YIQ	137.2310, -120.4850, -35.6290

Conversions

Conversions Part 2

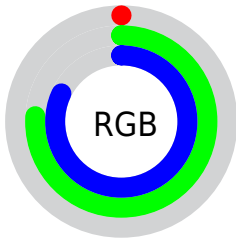
Format	Color
RYB	0, 101, 210
Decimal	49618
CIELab	71.41, -33.72, -19.90
CIELCh	71, 39.155, 210.549
Yxy	42.7931, 0.2176, 0.3033
Android (android.graphics.Color)	4278239698 (0xFF00C1D2)
YUV	137.2310, 35.8751, -120.3516
Hunter-Lab	65.4164, -30.7043, -15.4749

Details

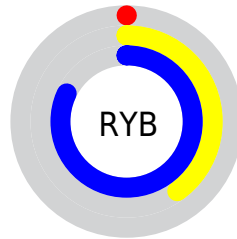
The Yxy color **42.7931, 0.2176, 0.3033** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.1045, 0.6345, 0.3343**, and the grayscale version is **25.0272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6554, 0.2389, 0.3229**, and **20.8655, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **42.7863, 0.2176, 0.3033**, and if you desaturate by 10%, it is **43.7104, 0.2198, 0.3060**.

Distribution



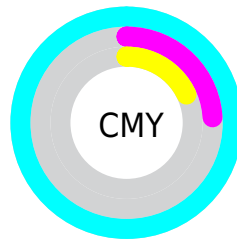
- Red (0%)
- Green (76%)
- Blue (82%)



- Red (0%)
- Yellow (40%)
- Blue (82%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7931, 0.2176, 0.3033 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 42.7931, 0.2176, 0.3033 by changing the saturation by 10% instead.


 42.7931, 0.2176,
0.3033

 42.7931, 0.2176,
0.3033


357.7602, 0.2639,
0.3179

 29.7228, 0.2066,
0.2992


 79.3985, 0.2341,
0.3090

 19.6283, 0.1928,
0.2936


 103.7025, 0.2404,
0.3110


 12.1251, 0.1750,
0.2858


 132.5198, 0.2457,
0.3127

 6.8290, 0.1517,
0.2742

 166.2348, 0.2504,
0.3141

 3.3554, 0.1203,
0.2558

 205.2320, 0.2544,
0.3152

 1.3200, 0.0649,
0.2267

249.8957, 0.2580,

 0.1566, 0.0000,

0.3163

0.0846

300.6103, 0.2611,
0.3171

■ 0.0000, 0.0000,
0.0000

■ 42.7931, 0.2176,
0.3033

■ 42.7931, 0.2176,
0.3033

■ 42.7863, 0.2176,
0.3033

■ 43.7104, 0.2198,
0.3060

■ 44.8092, 0.2234,
0.3088

■ 46.1486, 0.2289,
0.3115

■ 47.7605, 0.2363,
0.3143

■ 49.6717, 0.2456,
0.3171

■ 51.9057, 0.2566,
0.3197

■ 54.4837, 0.2691,
0.3223

■ 57.4249, 0.2829,
0.3247

■ 60.7472, 0.2976,
0.3269

Harmonies

Analogous

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



42.7931, 0.2459, 0.3596



42.7931, 0.2176, 0.3033



42.7931, 0.2126, 0.2618

Triad

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



42.7931, 0.2176, 0.3033



42.7931, 0.3249, 0.2636



42.7931, 0.3966, 0.4185

Complementary

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



42.7931, 0.2176, 0.3033



14.1045, 0.6345, 0.3343

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.



42.7931, 0.4232, 0.3834



42.7931, 0.2176, 0.3033



42.7931, 0.3806, 0.2977

Square

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



42.7931, 0.2176, 0.3033



42.7931, 0.2702, 0.2436



42.7931, 0.4179, 0.3400



42.7931, 0.3486, 0.4316

Rectangle

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



42.7931, 0.2176, 0.3033



42.7931, 0.2222, 0.2462



42.7931, 0.4179, 0.3400



42.7931, 0.4085, 0.4085

Sweetspot

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



42.7947, 0.2176, 0.3033



84.3789, 0.2686, 0.3222



46.1141, 0.2990, 0.5962



17.6832, 0.2631, 0.3211



0.0000, 0.0000, 0.0000



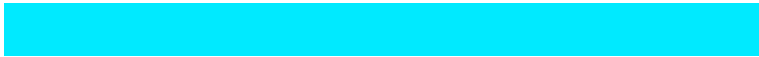
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.7947, 0.2176, 0.3033



66.2769, 0.2175, 0.3030



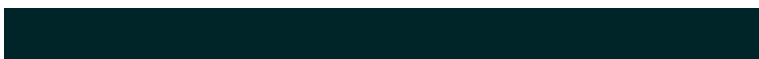
12.1526, 0.1709, 0.1350



13.2366, 0.2983, 0.3271



26.1762, 0.2177, 0.3037



1.5131, 0.2191, 0.3087

Inverse Universe

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



17.5526, 0.3425, 0.1661



27.2218, 0.3428, 0.1662



26.9089, 0.5222, 0.4235



11.9919, 0.3150, 0.3079



10.7138, 0.3422, 0.1659



0.6040, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 42.7931, 0.2176, 0.3033 looks on a white background.

Color Contrast Check

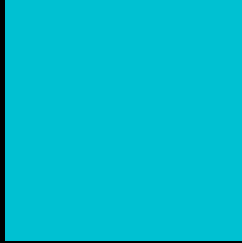
Large Text (above 18pt) WCAG AA × Fail

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 42.7931, 0.2176, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

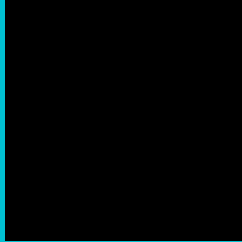
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7931, 0.2176, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 42.7931, 0.2176, 0.3033.



This preview shows how white text looks on a background with the Yxy color 42.7931, 0.2176, 0.3033.

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

42.7931, 0.2176, 0.3033

Protanopia

42.0366, 0.2918, 0.2971

Deuteranopia

42.0908, 0.2770, 0.2711



Tritanopia

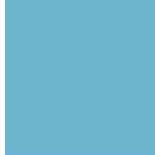
42.7434, 0.2180, 0.3047

Trichromacy



Original Color

42.7931, 0.2176, 0.3033



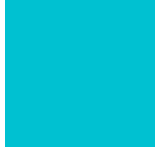
Protanomaly

40.0477, 0.2460, 0.2981



Deuteranomaly

39.8330, 0.2389, 0.2790



Tritanomaly

42.7434, 0.2180, 0.3047

Monochromacy



Original Color

42.7931, 0.2176, 0.3033



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.8205, 0.2493, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7931, 0.2176, 0.3033 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, 193, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 210)  
}
```

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, 193, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 210) }
```

Border

The CSS property to change the border of an element to Yxy 42.7931, 0.2176, 0.3033 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, 193, 210) }
```

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

```
.border{ border-color:rgb(0, 193, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 193, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 193, 210); box-shadow:4px 4px 4px 4px rgb(0, 193, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7931, 0.2176, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 210) }
```

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

```
.background{ background-color: rgb(0, 193,  
210) }
```

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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