

Converting Colors

$Yxy(33.1806, 0.1582, 0.2767)$

Have a look what the booklet for
Yxy(33.1806, 0.1582, 0.2767)
contains.

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Color

Yxy(38.2094, 0.2120, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	00B6D4
RGB	0, 182, 212
RGB Percent	0%, 71%, 83%
CMY	0.9986, 0.2863, 0.1687
CMYK	1.00, 0.14, 0.00, 0.17
HSL	189°, 100%, 42%
HSV	189°, 100%, 83%
XYZ	28.6132, 38.2094, 68.1453
YIQ	131.0020, -118.1020, -29.2540

Conversions

Conversions Part 2

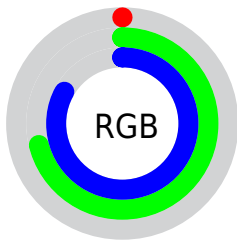
Format	Color
RYB	0, 98, 212
Decimal	46804
CIELab	68.17, -27.72, -25.95
CIELCh	68, 37.968, 223.110
Yxy	38.2094, 0.2120, 0.2831
Android (android.graphics.Color)	4278236884 (0xFF00B6D4)
YUV	131.0020, 39.9320, -114.8888
Hunter-Lab	61.8138, -25.5476, -22.0934

Details

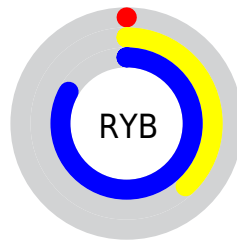
The Yxy color **38.2094, 0.2120, 0.2831** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.9426, 0.6277, 0.3396**, and the grayscale version is **22.6247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3121, 0.2351, 0.3085**, and **18.1348, 0.2088, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **38.1870, 0.2120, 0.2830**, and if you desaturate by 10%, it is **39.6178, 0.2149, 0.2880**.

Distribution



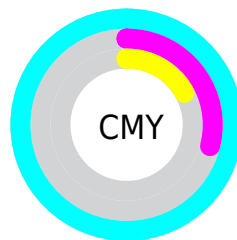
- Red (0%)
- Green (71%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)




- Cyan (100%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2094, 0.2120, 0.2831 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 38.2094, 0.2120, 0.2831 by changing the saturation by 10% instead.


 38.2094, 0.2120,
0.2831


 38.2094, 0.2120,
0.2831


338.5174, 0.2616,
0.3081


 26.1453, 0.2001,
0.2763

 72.4290, 0.2297,
0.2926


 16.9323, 0.1851,
0.2673


 95.3532, 0.2365,
0.2961


 10.1863, 0.1659,
0.2550


 122.6662, 0.2423,
0.2990

 5.5226, 0.1406,
0.2372

 154.7525, 0.2472,
0.3014

 2.5570, 0.1068,
0.2100

 191.9963, 0.2515,
0.3034

 0.9051, 0.0346,
0.1708

234.7821, 0.2553,

 0.0000, 0.0000,

0.3052

0.0000

283.4944, 0.2586,
0.3068

■ 38.2094, 0.2120,
0.2831

■ 38.2094, 0.2120,
0.2831

■ 38.1870, 0.2120,
0.2830

■ 39.6178, 0.2149,
0.2880

■ 41.2309, 0.2193,
0.2931

■ 43.1081, 0.2256,
0.2981

■ 45.2821, 0.2339,
0.3031

■ 47.7805, 0.2439,
0.3080

■ 50.6273, 0.2556,
0.3128

■ 53.8445, 0.2687,
0.3173

■ 57.4519, 0.2828,
0.3215

■ 61.4678, 0.2977,
0.3255

Harmonies

Analogous

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



38.2094, 0.2308, 0.3352



38.2094, 0.2120, 0.2831



38.2094, 0.2169, 0.2503

Triad

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



38.2094, 0.2120, 0.2831



38.2094, 0.3494, 0.2761



38.2094, 0.3788, 0.4283

Complementary

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



38.2094, 0.2120, 0.2831



14.9426, 0.6277, 0.3396

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.



38.2094, 0.4162, 0.4002



38.2094, 0.2120, 0.2831



38.2094, 0.4002, 0.3147

Square

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



38.2094, 0.2120, 0.2831



38.2094, 0.2917, 0.2495



38.2094, 0.4251, 0.3586



38.2094, 0.3255, 0.4278

Rectangle

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



38.2094, 0.2120, 0.2831



38.2094, 0.2329, 0.2409



38.2094, 0.4251, 0.3586



38.2094, 0.3937, 0.4213

Sweetspot

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



38.2108, 0.2120, 0.2831



81.5415, 0.2680, 0.3171



47.1696, 0.2973, 0.5902



16.9950, 0.2623, 0.3152



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.



38.2108, 0.2120, 0.2831



57.8124, 0.2118, 0.2825



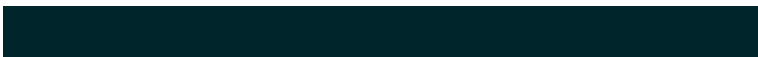
10.1985, 0.1655, 0.1155



13.7938, 0.2983, 0.3256



23.6900, 0.2122, 0.2837



1.5131, 0.2145, 0.2923

Inverse Universe

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



17.3805, 0.3606, 0.1761



26.3673, 0.3612, 0.1763



31.1551, 0.5030, 0.4386



12.6010, 0.3159, 0.3092



10.7364, 0.3600, 0.1757



0.6561, 0.3523, 0.1714

Previews

White Background



This preview shows how the Yxy color 38.2094, 0.2120, 0.2831 looks on a white background.

Color Contrast Check

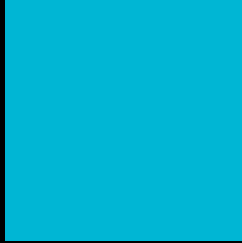
Large Text (above 18pt) WCAG AA × Fail

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 38.2094, 0.2120, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

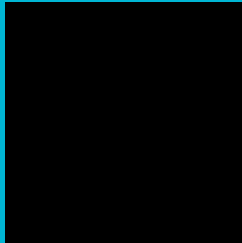
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2094, 0.2120, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 38.2094, 0.2120, 0.2831.

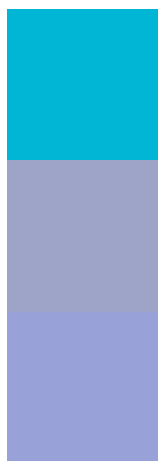


This preview shows how white text looks on a background with the Yxy color 38.2094, 0.2120, 0.2831.

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

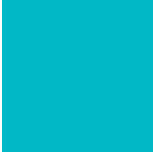
38.2094, 0.2120, 0.2831

Protanopia

37.8425, 0.2783, 0.2810

Deuteranopia

37.5708, 0.2630, 0.2570



Tritanopia

38.3582, 0.2185, 0.3067

Trichromacy



Original Color

38.2094, 0.2120, 0.2831



Protanomaly

36.1948, 0.2374, 0.2797



Deuteranomaly

35.8236, 0.2295, 0.2619



Tritanomaly

38.1788, 0.2160, 0.2976

Monochromacy



Original Color

38.2094, 0.2120, 0.2831



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.1898, 0.2472, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2094, 0.2120, 0.2831 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, 182, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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, 182, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 212) }
```

Border

The CSS property to change the border of an element to Yxy 38.2094, 0.2120, 0.2831 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, 182, 212) }
```

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

```
.border{ border-color:rgb(0, 182, 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, 182, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2094, 0.2120, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 212) }
```

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

```
.background{ background-color: rgb(0, 182,  
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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