

Converting Colors

$Yxy(31.6839, 0.1373, 0.2957)$

Have a look what the booklet for
Yxy(31.6839, 0.1373, 0.2957)
contains.

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Color

Yxy(38.4980, 0.2173, 0.3022)

Conversions

Conversions Part 1

Format	Color
Hex	00B8C9
RGB	0, 184, 201
RGB Percent	0%, 72%, 79%
CMY	0.9990, 0.2784, 0.2119
CMYK	1.00, 0.08, 0.00, 0.21
HSL	185°, 100%, 39%
HSV	185°, 100%, 79%
XYZ	27.6824, 38.4980, 61.2121
YIQ	130.9220, -115.1210, -33.7210

Conversions

Conversions Part 2

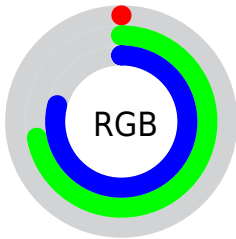
Format	Color
RYB	0, 96, 201
Decimal	47305
CIELab	68.39, -32.30, -19.57
CIELCh	68, 37.770, 211.211
Yxy	38.4980, 0.2173, 0.3022
Android (android.graphics.Color)	4278237385 (0xFF00B8C9)
YUV	130.9220, 34.5485, -114.8186
Hunter-Lab	62.0468, -28.9434, -15.0597

Details

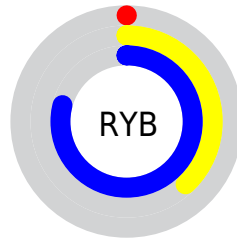
The Yxy color **38.4980, 0.2173, 0.3022** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.8224, 0.6339, 0.3347**, and the grayscale version is **22.6020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4237, 0.2353, 0.3109**, and **18.0718, 0.2147, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **38.4884, 0.2173, 0.3022**, and if you desaturate by 10%, it is **39.3605, 0.2196, 0.3050**.

Distribution



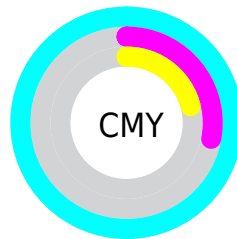
- Red (0%)
- Green (72%)
- Blue (79%)



- Red (0%)
- Yellow (38%)
- Blue (79%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (28%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4980, 0.2173, 0.3022 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 38.4980, 0.2173, 0.3022 by changing the saturation by 10% instead.


 38.4980, 0.2173,
0.3022


 38.4980, 0.2173,
0.3022


339.7515, 0.2646,
0.3176


 26.3694, 0.2058,
0.2978


 72.8708, 0.2343,
0.3082

 17.1002, 0.1913,
0.2917


 95.8838, 0.2407,
0.3104

 10.3060, 0.1725,
0.2831


 123.2938, 0.2462,
0.3121

 5.6023, 0.1474,
0.2701

 155.4851, 0.2509,
0.3136

 2.6048, 0.1132,
0.2489

 192.8421, 0.2550,
0.3148

 0.9291, 0.0223,
0.2208

235.7492, 0.2586,

 0.0000, 0.0000,

0.3159

0.0000

284.5909, 0.2618,
0.3168

■ 38.4980, 0.2173,
0.3022

■ 38.4980, 0.2173,
0.3022

■ 38.4884, 0.2173,
0.3022

■ 39.3605, 0.2196,
0.3050

■ 40.3870, 0.2233,
0.3079

■ 41.6320, 0.2289,
0.3108

■ 43.1239, 0.2363,
0.3137

■ 44.8866, 0.2457,
0.3166

■ 46.9413, 0.2567,
0.3193

■ 49.3069, 0.2693,
0.3220

■ 52.0009, 0.2830,
0.3245

■ 55.0392, 0.2977,
0.3269

Harmonies

Analogous

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



38.4980, 0.2451, 0.3583



38.4980, 0.2173, 0.3022



38.4980, 0.2128, 0.2612

Triad

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



38.4980, 0.2173, 0.3022



38.4980, 0.3261, 0.2642



38.4980, 0.3957, 0.4191

Complementary

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



38.4980, 0.2173, 0.3022



12.8224, 0.6339, 0.3347

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.



38.4980, 0.4228, 0.3843



38.4980, 0.2173, 0.3022



38.4980, 0.3817, 0.2986

Square

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



38.4980, 0.2173, 0.3022



38.4980, 0.2713, 0.2439



38.4980, 0.4183, 0.3410



38.4980, 0.3474, 0.4314

Rectangle

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



38.4980, 0.2173, 0.3022



38.4980, 0.2228, 0.2459



38.4980, 0.4183, 0.3410



38.4980, 0.4077, 0.4092

Sweetspot

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



38.4994, 0.2173, 0.3022



84.2067, 0.2685, 0.3219



41.8023, 0.2986, 0.5948



17.6414, 0.2631, 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.



38.4994, 0.2173, 0.3022



65.7473, 0.2172, 0.3018



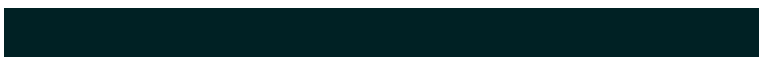
10.5415, 0.1696, 0.1305



11.9082, 0.2984, 0.3270



24.2737, 0.2174, 0.3026



1.1957, 0.2190, 0.3085

Inverse Universe

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



15.8802, 0.3435, 0.1666



27.1684, 0.3439, 0.1668



25.2171, 0.5169, 0.4276



10.8006, 0.3150, 0.3081



9.9904, 0.3432, 0.1664



0.4777, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 38.4980, 0.2173, 0.3022 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 38.4980, 0.2173, 0.3022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

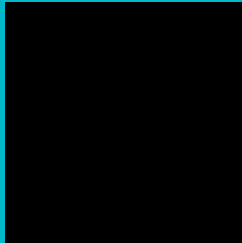
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4980, 0.2173, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 38.4980, 0.2173, 0.3022.



This preview shows how white text looks on a background with the Yxy color 38.4980, 0.2173, 0.3022.

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

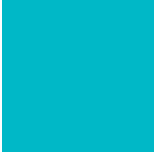
38.4980, 0.2173, 0.3022

Protanopia

37.8631, 0.2910, 0.2957

Deuteranopia

37.8740, 0.2763, 0.2700



Tritanopia

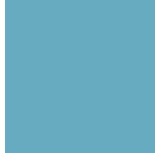
38.4045, 0.2181, 0.3052

Trichromacy



Original Color

38.4980, 0.2173, 0.3022



Protanomaly

35.8596, 0.2452, 0.2953



Deuteranomaly

35.9926, 0.2387, 0.2784



Tritanomaly

38.4511, 0.2177, 0.3037

Monochromacy



Original Color

38.4980, 0.2173, 0.3022



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.0520, 0.2499, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4980, 0.2173, 0.3022 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, 184, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 201)  
}
```

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, 184, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 201) }
```

Border

The CSS property to change the border of an element to Yxy 38.4980, 0.2173, 0.3022 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, 184, 201) }
```

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

```
.border{ border-color:rgb(0, 184, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4980, 0.2173, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 201) }
```

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

```
.background{ background-color: rgb(0, 184,  
201) }
```

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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