

Converting Colors

$Y_{xy}(37.9800, 0.2213, 0.3168)$

Have a look what the booklet for
Yxy(37.9800, 0.2213, 0.3168)
contains.

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Color

Yxy(38.0426, 0.2215, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	00B8BF
RGB	0, 184, 191
RGB Percent	0%, 72%, 75%
CMY	1.0000, 0.2784, 0.2510
CMYK	1.00, 0.04, 0.00, 0.25
HSL	182°, 100%, 37%
HSV	182°, 100%, 75%
XYZ	26.5400, 38.0426, 55.2367
YIQ	129.7820, -111.9110, -36.8310

Conversions

Conversions Part 2

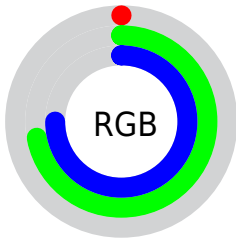
Format	Color
RYB	0, 94, 191
Decimal	47295
CIELab	68.05, -35.49, -14.59
CIELCh	68, 38.370, 202.352
Yxy	38.0426, 0.2215, 0.3175
Android (android.graphics.Color)	4278237375 (0xFF00B8BF)
YUV	129.7820, 30.1805, -113.8188
Hunter-Lab	61.6787, -31.1303, -9.9224

Details

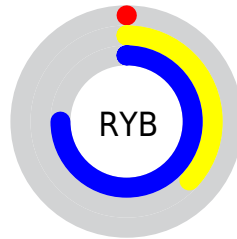
The Yxy color **38.0426, 0.2215, 0.3175** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.2289, 0.6375, 0.3320**, and the grayscale version is **22.1657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3927, 0.2381, 0.3215**, and **17.8002, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **38.0471, 0.2215, 0.3175**, and if you desaturate by 10%, it is **38.4779, 0.2233, 0.3187**.

Distribution



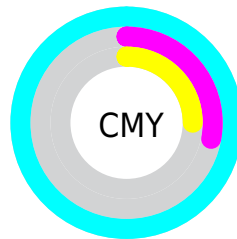
- Red (0%)
- Green (72%)
- Blue (75%)



- Red (0%)
- Yellow (37%)
- Blue (75%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0426, 0.2215, 0.3175 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 38.0426, 0.2215, 0.3175 by changing the saturation by 10% instead.

 38.0426, 0.2215,
0.3175


 38.0426, 0.2215,
0.3175


337.8027, 0.2671,
0.3250


 26.0158, 0.2103,
0.3151


 72.1734, 0.2380,
0.3206

 16.8354, 0.1960,
0.3116


 95.0462, 0.2442,
0.3217

 10.1172, 0.1774,
0.3064


 122.3031, 0.2495,
0.3225

 5.4768, 0.1523,
0.2980

 154.3284, 0.2540,
0.3232

 2.5296, 0.1173,
0.2830

 191.5067, 0.2579,
0.3237

 0.8914, 0.0000,
0.2710

234.2222, 0.2613,

 0.0000, 0.0000,

0.3242

0.0000

282.8594, 0.2644,
0.3246

■ 38.0426, 0.2215,
0.3175

■ 38.0426, 0.2215,
0.3175

■ 38.0471, 0.2215,
0.3175

■ 38.4779, 0.2233,
0.3187

■ 39.0472, 0.2265,
0.3199

■ 39.8043, 0.2315,
0.3211

■ 40.7742, 0.2383,
0.3223

■ 41.9782, 0.2471,
0.3236

■ 43.4349, 0.2576,
0.3248

■ 45.1609, 0.2697,
0.3259

■ 47.1716, 0.2831,
0.3270

■ 49.4812, 0.2975,
0.3280

Harmonies

Analogous

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



38.0426, 0.2563, 0.3760



38.0426, 0.2215, 0.3175



38.0426, 0.2099, 0.2699

Triad

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



38.0426, 0.2215, 0.3175



38.0426, 0.3089, 0.2553



38.0426, 0.4082, 0.4118

Complementary

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



38.0426, 0.2215, 0.3175



11.2289, 0.6375, 0.3320

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.



38.0426, 0.4273, 0.3725



38.0426, 0.2215, 0.3175



38.0426, 0.3674, 0.2865

Square

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



38.0426, 0.2215, 0.3175



38.0426, 0.2566, 0.2398



38.0426, 0.4125, 0.3279



38.0426, 0.3639, 0.4331

Rectangle

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



38.0426, 0.2215, 0.3175



38.0426, 0.2154, 0.2500



38.0426, 0.4125, 0.3279



38.0426, 0.4180, 0.4000

Sweetspot

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



38.0471, 0.2215, 0.3175



80.7205, 0.2691, 0.3259



37.2778, 0.2994, 0.5980



17.4246, 0.2637, 0.3254



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.0471, 0.2215, 0.3175



68.0562, 0.2215, 0.3173



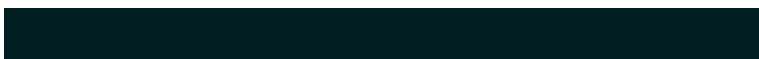
10.9292, 0.1740, 0.1464



10.7480, 0.2985, 0.3281



25.0294, 0.2216, 0.3177



0.9992, 0.2224, 0.3205

Inverse Universe

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



14.5382, 0.3303, 0.1593



26.0281, 0.3305, 0.1594



20.5541, 0.5313, 0.4164



9.6901, 0.3143, 0.3072



9.5564, 0.3302, 0.1592



0.3762, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 38.0426, 0.2215, 0.3175 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 38.0426, 0.2215, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

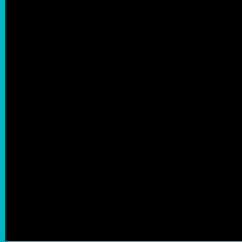
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0426, 0.2215, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 38.0426, 0.2215, 0.3175.

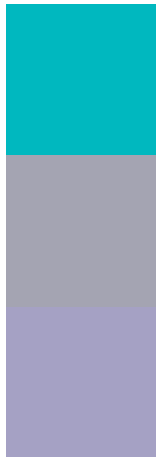


This preview shows how white text looks on a background with the Yxy color 38.0426, 0.2215, 0.3175.

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

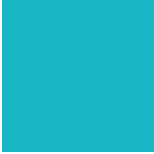
38.0426, 0.2215, 0.3175

Protanopia

37.6578, 0.3008, 0.3093

Deuteranopia

37.4746, 0.2871, 0.2815



Tritanopia

38.1509, 0.2202, 0.3052

Trichromacy



Original Color

38.0426, 0.2215, 0.3175



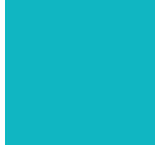
Protanomaly

35.4878, 0.2518, 0.3101



Deuteranomaly

35.2742, 0.2453, 0.2908



Tritanomaly

37.9173, 0.2205, 0.3097

Monochromacy



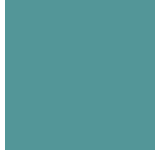
Original Color

38.0426, 0.2215, 0.3175



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.9187, 0.2527, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0426, 0.2215, 0.3175 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 191) }
```

Border

The CSS property to change the border of an element to Yxy 38.0426, 0.2215, 0.3175 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, 191) }
```

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

```
.border{ border-color:rgb(0, 184, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0426, 0.2215, 0.3175 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, 191) }
```

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

```
.background{ background-color: rgb(0, 184,  
191) }
```

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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