

Converting Colors

$Y_{xy}(38.3775, 0.2261, 0.3341)$

Have a look what the booklet for
Yxy(38.3775, 0.2261, 0.3341)
contains.

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Color

Yxy(38.4952, 0.2265, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	00BAB6
RGB	0, 186, 182
RGB Percent	0%, 73%, 71%
CMY	0.9987, 0.2706, 0.2863
CMYK	1.00, 0.00, 0.02, 0.27
HSL	179°, 100%, 37%
HSV	179°, 100%, 73%
XYZ	26.0041, 38.4952, 50.3090
YIQ	129.9300, -109.5720, -40.6760

Conversions

Conversions Part 2

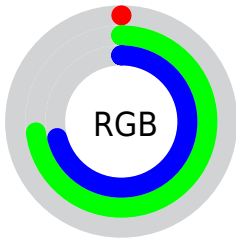
Format	Color
RYB	0, 94, 186
Decimal	47798
CIELab	68.38, -39.13, -9.13
CIELCh	68, 40.183, 193.130
Yxy	38.4952, 0.2265, 0.3353
Android (android.graphics.Color)	4278237878 (0xFF00BAB6)
YUV	129.9300, 25.6705, -113.9486
Hunter-Lab	62.0445, -33.7650, -4.6443

Details

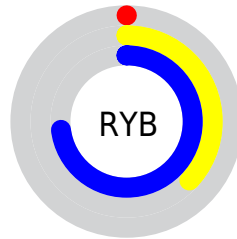
The Yxy color **38.4952, 0.2265, 0.3353** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.4556, 0.6375, 0.3287**, and the grayscale version is **22.2694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0409, 0.2423, 0.3349**, and **18.0875, 0.2265, 0.3355** is the 20% darker color. If you saturate the color by 10%, you get **38.4942, 0.2265, 0.3353**, and if you desaturate by 10%, it is **38.6489, 0.2278, 0.3346**.

Distribution



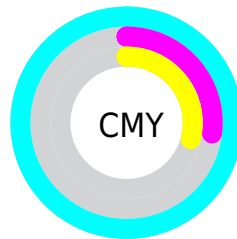
- Red (0%)
- Green (73%)
- Blue (71%)



- Red (0%)
- Yellow (37%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4952, 0.2265, 0.3353 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 38.4952, 0.2265, 0.3353 by changing the saturation by 10% instead.


 38.4952, 0.2265,
0.3353


 38.4952, 0.2265,
0.3353


339.7395, 0.2698,
0.3333

 26.3673, 0.2157,
0.3354


 72.8665, 0.2422,
0.3348

 17.0986, 0.2020,
0.3353


 95.8787, 0.2481,
0.3346


 10.3048, 0.1839,
0.3346


 123.2877, 0.2531,
0.3343

 5.6015, 0.1592,
0.3328

 155.4780, 0.2574,
0.3341

 2.6043, 0.1241,
0.3276

 192.8339, 0.2612,
0.3339

 0.9288, 0.0000,
0.3375

235.7399, 0.2644,

 0.0000, 0.0000,

0.3336

0.0000

284.5803, 0.2673,
0.3334

■ 38.4952, 0.2265,
0.3353

■ 38.4952, 0.2265,
0.3353

■ 38.4942, 0.2265,
0.3353

■ 38.6489, 0.2278,
0.3346

■ 38.9310, 0.2305,
0.3339

■ 39.3890, 0.2349,
0.3332

■ 40.0462, 0.2412,
0.3326

■ 40.9224, 0.2494,
0.3319

■ 42.0349, 0.2594,
0.3312

■ 43.3995, 0.2711,
0.3306

■ 45.0303, 0.2840,
0.3300

■ 46.9407, 0.2981,
0.3295

Harmonies

Analogous

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



38.4952, 0.2690, 0.3957



38.4952, 0.2265, 0.3353



38.4952, 0.2070, 0.2803

Triad

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



38.4952, 0.2265, 0.3353



38.4952, 0.2904, 0.2456



38.4952, 0.4216, 0.4035

Complementary

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



38.4952, 0.2265, 0.3353



10.4556, 0.6375, 0.3287

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.



38.4952, 0.4313, 0.3596



38.4952, 0.2265, 0.3353



38.4952, 0.3513, 0.2734

Square

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



38.4952, 0.2265, 0.3353



38.4952, 0.2410, 0.2354



38.4952, 0.4051, 0.3137



38.4952, 0.3819, 0.4336

Rectangle

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



38.4952, 0.2265, 0.3353



38.4952, 0.2078, 0.2549



38.4952, 0.4051, 0.3137



38.4952, 0.4287, 0.3897

Sweetspot

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



38.4966, 0.2265, 0.3353



78.4837, 0.2702, 0.3306



35.1604, 0.3007, 0.5993



17.0429, 0.2652, 0.3309



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.4966, 0.2265, 0.3353



69.7686, 0.2265, 0.3354



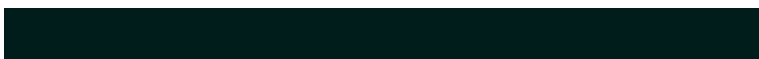
12.5378, 0.1804, 0.1693



10.2072, 0.2988, 0.3295



25.8994, 0.2265, 0.3352



0.9141, 0.2260, 0.3334

Inverse Universe

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



10.4556, 0.6375, 0.3287



18.9330, 0.6384, 0.3291



17.2519, 0.5502, 0.4012



9.0153, 0.3284, 0.3286



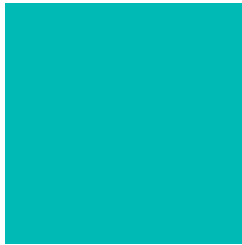
7.0305, 0.6373, 0.3284



0.2489, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 38.4952, 0.2265, 0.3353 looks on a white background.

Color Contrast Check

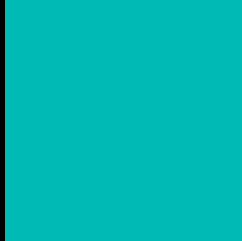
Large Text (above 18pt) WCAG AA × Fail

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 38.4952, 0.2265, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

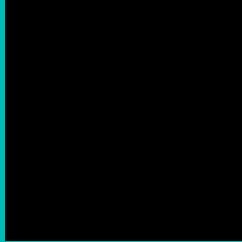
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

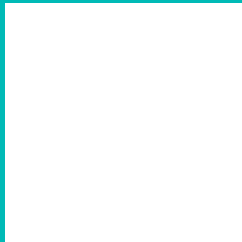
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4952, 0.2265, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 38.4952, 0.2265, 0.3353.

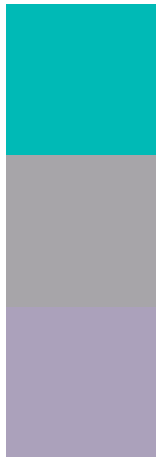


This preview shows how white text looks on a background with the Yxy color 38.4952, 0.2265, 0.3353.

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

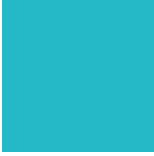
38.4952, 0.2265, 0.3353

Protanopia

37.9903, 0.3111, 0.3234

Deuteranopia

37.7355, 0.2997, 0.2936



Tritanopia

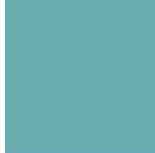
38.7515, 0.2225, 0.3069

Trichromacy



Original Color

38.4952, 0.2265, 0.3353



Protanomaly

36.0073, 0.2593, 0.3273



Deuteranomaly

35.5034, 0.2535, 0.3057



Tritanomaly

38.6979, 0.2236, 0.3176

Monochromacy



Original Color

38.4952, 0.2265, 0.3353



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.8216, 0.2548, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4952, 0.2265, 0.3353 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, 186, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 182)  
}
```

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, 186, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 182) }
```

Border

The CSS property to change the border of an element to Yxy 38.4952, 0.2265, 0.3353 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, 186, 182) }
```

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

```
.border{ border-color:rgb(0, 186, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4952, 0.2265, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 182) }
```

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

```
.background{ background-color: rgb(0, 186,  
182) }
```

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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