

Converting Colors

$Y_{xy}(35.2131, 0.2207, 0.3145)$

Have a look what the booklet for
Yxy(35.2131, 0.2207, 0.3145)
contains.

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Color

Yxy(35.3860, 0.2210, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	00B2BA
RGB	0, 178, 186
RGB Percent	0%, 70%, 73%
CMY	0.9988, 0.3020, 0.2705
CMYK	1.00, 0.04, 0.00, 0.27
HSL	183°, 100%, 37%
HSV	183°, 100%, 73%
XYZ	24.7870, 35.3860, 51.9855
YIQ	125.6900, -108.6560, -35.2480

Conversions

Conversions Part 2

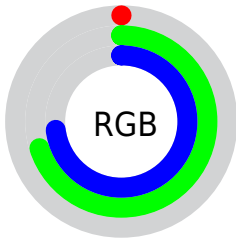
Format	Color
RYB	0, 91, 186
Decimal	45754
CIELab	66.05, -34.21, -14.85
CIELCh	66, 37.294, 203.471
Yxy	35.3860, 0.2210, 0.3155
Android (android.graphics.Color)	4278235834 (0xFF00B2BA)
YUV	125.6900, 29.7328, -110.2301
Hunter-Lab	59.4861, -29.7223, -10.1738

Details

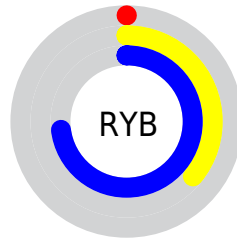
The Yxy color **35.3860, 0.2210, 0.3155** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.6224, 0.6367, 0.3324**, and the grayscale version is **20.7116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9658, 0.2379, 0.3189**, and **16.3607, 0.2196, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **35.3799, 0.2210, 0.3155**, and if you desaturate by 10%, it is **35.8434, 0.2229, 0.3169**.

Distribution



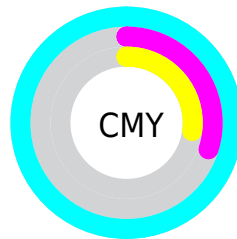
- Red (0%)
- Green (70%)
- Blue (73%)



- Red (0%)
- Yellow (36%)
- Blue (73%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (30%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3860, 0.2210, 0.3155 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 35.3860, 0.2210, 0.3155 by changing the saturation by 10% instead.


 35.3860, 0.2210,
0.3155


 35.3860, 0.2210,
0.3155


326.2688, 0.2673,
0.3241


 23.9604, 0.2094,
0.3127


 68.0833, 0.2379,
0.3191


 15.3042, 0.1947,
0.3088


 90.1238, 0.2442,
0.3203

 9.0332, 0.1752,
0.3028


 116.4713, 0.2496,
0.3212

 4.7628, 0.1487,
0.2931

 147.5103, 0.2541,
0.3220

 2.1088, 0.1115,
0.2756

 183.6252, 0.2581,
0.3227

 0.6696, 0.0000,
0.2498

225.2003, 0.2616,

 0.0000, 0.0000,

0.3232

0.0000

272.6200, 0.2646,
0.3237

■ 35.3860, 0.2210,
0.3155

■ 35.3860, 0.2210,
0.3155

■ 35.3799, 0.2210,
0.3155

■ 35.8434, 0.2229,
0.3169

■ 36.4312, 0.2262,
0.3183

■ 37.1967, 0.2313,
0.3198

■ 38.1632, 0.2383,
0.3212

■ 39.3507, 0.2471,
0.3226

■ 40.7763, 0.2577,
0.3241

■ 42.4558, 0.2699,
0.3254

■ 44.4035, 0.2833,
0.3267

■ 46.6327, 0.2978,
0.3279

Harmonies

Analogous

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



35.3860, 0.2549, 0.3737



35.3860, 0.2210, 0.3155



35.3860, 0.2103, 0.2688

Triad

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



35.3860, 0.2210, 0.3155



35.3860, 0.3111, 0.2565



35.3860, 0.4066, 0.4127

Complementary

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



35.3860, 0.2210, 0.3155



10.6224, 0.6367, 0.3324

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.



35.3860, 0.4267, 0.3740



35.3860, 0.2210, 0.3155



35.3860, 0.3692, 0.2881

Square

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



35.3860, 0.2210, 0.3155



35.3860, 0.2585, 0.2404



35.3860, 0.4132, 0.3296



35.3860, 0.3617, 0.4329

Rectangle

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



35.3860, 0.2210, 0.3155



35.3860, 0.2164, 0.2495



35.3860, 0.4132, 0.3296



35.3860, 0.4166, 0.4011

Sweetspot

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



35.3873, 0.2210, 0.3155



76.7234, 0.2690, 0.3253



35.1401, 0.2994, 0.5978



16.6019, 0.2638, 0.3248



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.



35.3873, 0.2210, 0.3155



64.0214, 0.2209, 0.3153



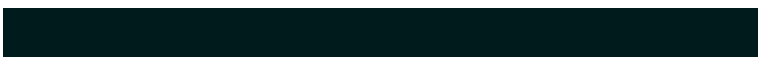
10.3600, 0.1742, 0.1471



10.1423, 0.2985, 0.3280



23.8275, 0.2210, 0.3157



0.8606, 0.2220, 0.3193

Inverse Universe

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



13.6619, 0.3320, 0.1603



24.7358, 0.3322, 0.1604



19.4325, 0.5307, 0.4167



9.1559, 0.3144, 0.3074



9.1877, 0.3319, 0.1602



0.3260, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 35.3860, 0.2210, 0.3155 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 35.3860, 0.2210, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

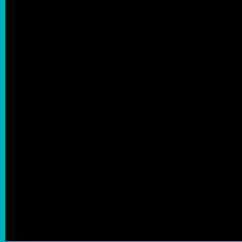
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

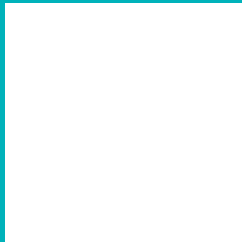
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3860, 0.2210, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 35.3860, 0.2210, 0.3155.

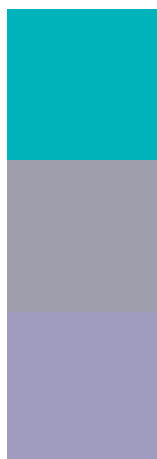


This preview shows how white text looks on a background with the Yxy color 35.3860, 0.2210, 0.3155.

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

35.3860, 0.2210, 0.3155

Protanopia

34.7400, 0.2996, 0.3073

Deuteranopia

34.9095, 0.2855, 0.2801



Tritanopia

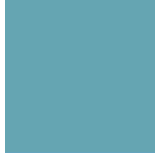
35.4322, 0.2199, 0.3044

Trichromacy



Original Color

35.3860, 0.2210, 0.3155



Protanomaly

32.8913, 0.2515, 0.3080



Deuteranomaly

32.9917, 0.2444, 0.2897



Tritanomaly

35.2635, 0.2199, 0.3075

Monochromacy



Original Color

35.3860, 0.2210, 0.3155



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.0944, 0.2519, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3860, 0.2210, 0.3155 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, 178, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 186)  
}
```

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, 178, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 186) }
```

Border

The CSS property to change the border of an element to Yxy 35.3860, 0.2210, 0.3155 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, 178, 186) }
```

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

```
.border{ border-color:rgb(0, 178, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3860, 0.2210, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 186) }
```

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

```
.background{ background-color: rgb(0, 178,  
186) }
```

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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