

Converting Colors

$Y_{xy}(25.8689, 0.0771, 0.2949)$

Have a look what the booklet for
Yxy(25.8689, 0.0771, 0.2949)
contains.

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Color

Yxy(35.6910, 0.2179, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	00B2C1
RGB	0, 178, 193
RGB Percent	0%, 70%, 76%
CMY	0.9997, 0.3020, 0.2430
CMYK	1.00, 0.08, 0.00, 0.24
HSL	185°, 100%, 38%
HSV	185°, 100%, 76%
XYZ	25.5488, 35.6910, 56.0105
YIQ	126.4880, -110.9030, -33.0710

Conversions

Conversions Part 2

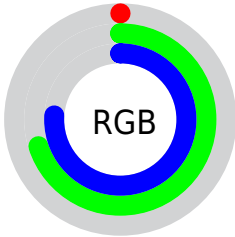
Format	Color
RYB	0, 93, 193
Decimal	45761
CIELab	66.28, -31.98, -18.38
CIELCh	66, 36.889, 209.890
Yxy	35.6910, 0.2179, 0.3044
Android (android.graphics.Color)	4278235841 (0xFF00B2C1)
YUV	126.4880, 32.7904, -110.9300
Hunter-Lab	59.7419, -28.2123, -13.7674

Details

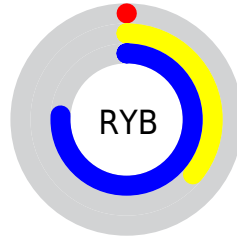
The Yxy color **35.6910, 0.2179, 0.3044** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.6863, 0.6344, 0.3344**, and the grayscale version is **20.9631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4519, 0.2354, 0.3105**, and **16.5313, 0.2161, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **35.6891, 0.2179, 0.3044**, and if you desaturate by 10%, it is **36.4358, 0.2201, 0.3070**.

Distribution



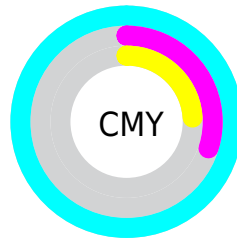
- Red (0%)
- Green (70%)
- Blue (76%)



- Red (0%)
- Yellow (36%)
- Blue (76%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6910, 0.2179, 0.3044 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 35.6910, 0.2179, 0.3044 by changing the saturation by 10% instead.


 35.6910, 0.2179,
0.3044


 35.6910, 0.2179,
0.3044


327.6079, 0.2655,
0.3188


 24.1956, 0.2061,
0.3001


 68.5549, 0.2352,
0.3101


 15.4788, 0.1911,
0.2942


 90.6922, 0.2417,
0.3121


 9.1561, 0.1715,
0.2857


 117.1456, 0.2472,
0.3138

 4.8432, 0.1452,
0.2724

 148.2995, 0.2519,
0.3151

 2.1555, 0.1086,
0.2502

 184.5383, 0.2560,
0.3163

 0.6956, 0.0000,
0.2181

226.2463, 0.2596,

 0.0000, 0.0000,

0.3172

0.0000

273.8081, 0.2627,
0.3181

■ 35.6910, 0.2179,
0.3044

■ 35.6910, 0.2179,
0.3044

■ 35.6891, 0.2179,
0.3044

■ 36.4358, 0.2201,
0.3070

■ 37.3270, 0.2238,
0.3096

■ 38.4158, 0.2293,
0.3123

■ 39.7281, 0.2367,
0.3149

■ 41.2855, 0.2459,
0.3176

■ 43.1071, 0.2569,
0.3201

■ 45.2101, 0.2693,
0.3226

■ 47.6103, 0.2830,
0.3249

■ 50.3221, 0.2976,
0.3270

Harmonies

Analogous

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



35.6910, 0.2467, 0.3609



35.6910, 0.2179, 0.3044



35.6910, 0.2124, 0.2624

Triad

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



35.6910, 0.2179, 0.3044



35.6910, 0.3236, 0.2629



35.6910, 0.3976, 0.4180

Complementary

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



35.6910, 0.2179, 0.3044



11.6863, 0.6344, 0.3344

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.



35.6910, 0.4235, 0.3825



35.6910, 0.2179, 0.3044



35.6910, 0.3796, 0.2968

Square

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



35.6910, 0.2179, 0.3044



35.6910, 0.2691, 0.2433



35.6910, 0.4175, 0.3390



35.6910, 0.3498, 0.4317

Rectangle

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



35.6910, 0.2179, 0.3044



35.6910, 0.2217, 0.2465



35.6910, 0.4175, 0.3390



35.6910, 0.4093, 0.4078

Sweetspot

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



35.6923, 0.2179, 0.3044



80.7392, 0.2686, 0.3224



38.1819, 0.2989, 0.5959



16.9669, 0.2632, 0.3214



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.



35.6923, 0.2179, 0.3044



63.7311, 0.2178, 0.3040



10.1452, 0.1711, 0.1359



11.2898, 0.2984, 0.3271



23.7833, 0.2180, 0.3047



1.0682, 0.2196, 0.3105

Inverse Universe

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



14.5573, 0.3416, 0.1655



26.0431, 0.3419, 0.1657



22.3683, 0.5216, 0.4240



10.2335, 0.3149, 0.3080



9.6832, 0.3413, 0.1654



0.4225, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 35.6910, 0.2179, 0.3044 looks on a white background.

Color Contrast Check

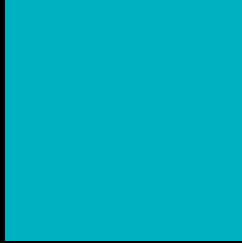
Large Text (above 18pt) WCAG AA × Fail

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 35.6910, 0.2179, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

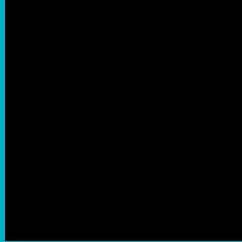
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6910, 0.2179, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 35.6910, 0.2179, 0.3044.

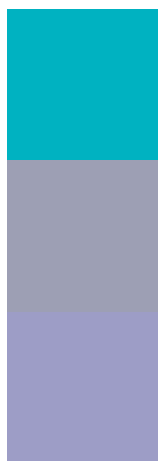


This preview shows how white text looks on a background with the Yxy color 35.6910, 0.2179, 0.3044.

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

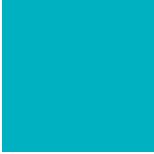
35.6910, 0.2179, 0.3044

Protanopia

35.2597, 0.2928, 0.2989

Deuteranopia

35.3593, 0.2784, 0.2723



Tritanopia

35.6910, 0.2179, 0.3044

Trichromacy



Original Color

35.6910, 0.2179, 0.3044



Protanomaly

33.4845, 0.2468, 0.2989



Deuteranomaly

33.6051, 0.2400, 0.2813



Tritanomaly

35.6910, 0.2179, 0.3044

Monochromacy



Original Color

35.6910, 0.2179, 0.3044



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.5415, 0.2508, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6910, 0.2179, 0.3044 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 193) }
```

Border

The CSS property to change the border of an element to Yxy 35.6910, 0.2179, 0.3044 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, 193) }
```

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

```
.border{ border-color:rgb(0, 178, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6910, 0.2179, 0.3044 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, 193) }
```

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

```
.background{ background-color: rgb(0, 178,  
193) }
```

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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