

Converting Colors

$Y_{xy}(35.0478, 0.2260, 0.3336)$

Have a look what the booklet for
Yxy(35.0478, 0.2260, 0.3336)
contains.

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Color

Yxy(34.9359, 0.2261, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	01B2AF
RGB	1, 178, 175
RGB Percent	0%, 70%, 69%
CMY	0.9980, 0.3020, 0.3137
CMYK	1.00, 0.00, 0.02, 0.30
HSL	179°, 99%, 35%
HSV	179°, 100%, 70%
XYZ	23.6639, 34.9359, 46.0614
YIQ	124.7350, -104.5290, -38.4570

Conversions

Conversions Part 2

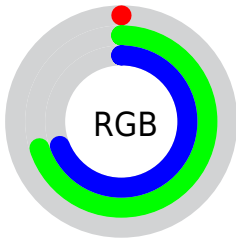
Format	Color
RYB	1, 90, 178
Decimal	111279
CIELab	65.70, -37.60, -9.28
CIELCh	66, 38.730, 193.860
Yxy	34.9359, 0.2261, 0.3338
Android (android.graphics.Color)	4278301359 (0xFF01B2AF)
YUV	124.7350, 24.7806, -108.5156
Hunter-Lab	59.1066, -31.9724, -4.8297

Details

The Yxy color **34.9359, 0.2261, 0.3338** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **9.4829, 0.6377, 0.3290**, and the grayscale version is **20.3036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1555, 0.2423, 0.3339**, and **16.0973, 0.2260, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **34.9336, 0.2261, 0.3338**, and if you desaturate by 10%, it is **35.0773, 0.2275, 0.3333**.

Distribution



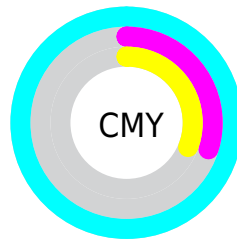
- Red (0%)
- Green (70%)
- Blue (69%)



- Red (0%)
- Yellow (35%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9359, 0.2261, 0.3338 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 34.9359, 0.2261, 0.3338 by changing the saturation by 10% instead.

 34.9359, 0.2261,
0.3338


 34.9359, 0.2261,
0.3338


324.2853, 0.2703,
0.3325

 23.6135, 0.2149,
0.3337


 67.3865, 0.2423,
0.3336

 15.0472, 0.2005,
0.3332


 89.2834, 0.2484,
0.3335

 8.8525, 0.1813,
0.3321


 115.4740, 0.2534,
0.3333

 4.6451, 0.1548,
0.3293

 146.3426, 0.2578,
0.3332

 2.0406, 0.1159,
0.3223

 182.2737, 0.2616,
0.3330

 0.6309, 0.0000,
0.3129

223.6515, 0.2648,

 0.0000, 0.0000,

0.3328

0.0000

270.8606, 0.2677,
0.3327

■ 34.9359, 0.2261,
0.3338

■ 34.9359, 0.2261,
0.3338

■ 34.9336, 0.2261,
0.3338

■ 35.0773, 0.2275,
0.3333

■ 35.3345, 0.2302,
0.3328

■ 35.7510, 0.2348,
0.3322

■ 36.3476, 0.2412,
0.3317

■ 37.1420, 0.2494,
0.3312

■ 38.1497, 0.2595,
0.3307

■ 39.3847, 0.2711,
0.3302

■ 40.8599, 0.2841,
0.3298

■ 42.5871, 0.2982,
0.3294

Harmonies

Analogous

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



34.9359, 0.2679, 0.3941



34.9359, 0.2261, 0.3338



34.9359, 0.2073, 0.2794

Triad

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



34.9359, 0.2261, 0.3338



34.9359, 0.2919, 0.2464



34.9359, 0.4205, 0.4042

Complementary

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



34.9359, 0.2261, 0.3338



9.4829, 0.6377, 0.3290

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.



34.9359, 0.4310, 0.3607



34.9359, 0.2261, 0.3338



34.9359, 0.3527, 0.2745

Square

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



34.9359, 0.2261, 0.3338



34.9359, 0.2422, 0.2357



34.9359, 0.4057, 0.3148



34.9359, 0.3804, 0.4336

Rectangle

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



34.9359, 0.2261, 0.3338



34.9359, 0.2084, 0.2545



34.9359, 0.4057, 0.3148



34.9359, 0.4278, 0.3905

Sweetspot

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



34.9372, 0.2261, 0.3338



71.2313, 0.2701, 0.3302



31.8807, 0.3008, 0.5992



15.5661, 0.2652, 0.3304



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.9372, 0.2261, 0.3338



63.3516, 0.2261, 0.3339



11.4322, 0.1806, 0.1700



9.6290, 0.2988, 0.3293



24.9985, 0.2261, 0.3338



0.7873, 0.2256, 0.3323

Inverse Universe

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



9.4829, 0.6377, 0.3290



17.1727, 0.6387, 0.3292



15.7034, 0.5494, 0.4016



8.5075, 0.3284, 0.3287



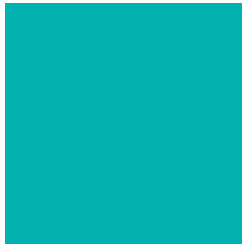
6.7779, 0.6378, 0.3287



0.2140, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 34.9359, 0.2261, 0.3338 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 34.9359, 0.2261, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

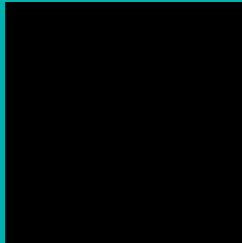
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

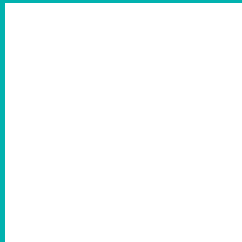
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.9359, 0.2261, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 34.9359, 0.2261, 0.3338.

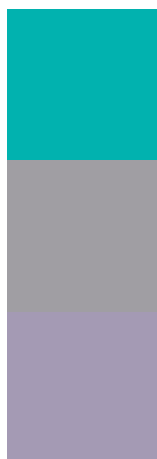


This preview shows how white text looks on a background with the Yxy color 34.9359, 0.2261, 0.3338.

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

34.9424, 0.2262, 0.3338

Protanopia

34.5716, 0.3102, 0.3217

Deuteranopia

34.2990, 0.2991, 0.2923



Tritanopia

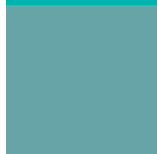
35.1257, 0.2223, 0.3060

Trichromacy



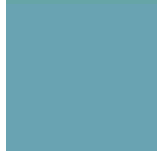
Original Color

34.9424, 0.2262, 0.3338



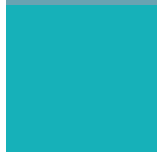
Protanomaly

32.5251, 0.2593, 0.3256



Deuteranomaly

32.4120, 0.2535, 0.3048



Tritanomaly

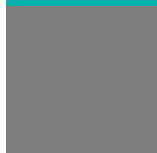
35.1176, 0.2229, 0.3155

Monochromacy



Original Color

34.9424, 0.2262, 0.3338



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.6352, 0.2552, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9359, 0.2261, 0.3338 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(1, 178, 175)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 175)  
}
```

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(1, 178, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 175) }
```

Border

The CSS property to change the border of an element to Yxy 34.9359, 0.2261, 0.3338 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(1, 178, 175) }
```

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

```
.border{ border-color:rgb(1, 178, 175) }
```

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

Here you see how a box with a 4 pixel rgb(1, 178, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 175);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9359, 0.2261, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 178, 175) }
```

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

```
.background{ background-color: rgb(1, 178,  
175) }
```

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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