

Converting Colors

$Y_{xy}(35.1559, 0.2261, 0.3338)$

Have a look what the booklet for
Yxy(35.1559, 0.2261, 0.3338)
contains.

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Color

Yxy(34.9818, 0.2257, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	01B2B0
RGB	1, 178, 176
RGB Percent	0%, 70%, 69%
CMY	0.9943, 0.3020, 0.3098
CMYK	0.99, 0.00, 0.01, 0.30
HSL	179°, 98%, 35%
HSV	179°, 99%, 70%
XYZ	23.7741, 34.9818, 46.5792
YIQ	124.8490, -104.8500, -38.1460

Conversions

Conversions Part 2

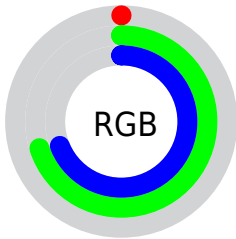
Format	Color
RYB	1, 90, 178
Decimal	111280
CIELab	65.73, -37.27, -9.78
CIELCh	66, 38.530, 194.699
Yxy	34.9818, 0.2257, 0.3321
Android (android.graphics.Color)	4278301360 (0xFF01B2B0)
YUV	124.8490, 25.2174, -108.6156
Hunter-Lab	59.1454, -31.7545, -5.2913

Details

The Yxy color **34.9818, 0.2257, 0.3321** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **9.5034, 0.6373, 0.3293**, and the grayscale version is **20.4420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3245, 0.2418, 0.3313**, and **16.1225, 0.2253, 0.3311** is the 20% darker color. If you saturate the color by 10%, you get **34.9731, 0.2256, 0.3321**, and if you desaturate by 10%, it is **35.1226, 0.2272, 0.3318**.

Distribution



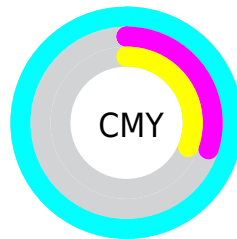
- Red (0%)
- Green (70%)
- Blue (69%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)





- Cyan (99%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9818, 0.2257, 0.3321 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 34.9818, 0.2257, 0.3321 by changing the saturation by 10% instead.


 34.9818, 0.2257,
0.3321


 34.9818, 0.2257,
0.3321


324.4880, 0.2701,
0.3318

 23.6489, 0.2145,
0.3317


 67.4576, 0.2420,
0.3323

 15.0733, 0.2000,
0.3309


 89.3692, 0.2480,
0.3323

 8.8709, 0.1808,
0.3293


 115.5758, 0.2531,
0.3322

 4.6571, 0.1543,
0.3258

 146.4619, 0.2575,
0.3321

 2.0475, 0.1157,
0.3177

 182.4117, 0.2613,
0.3320

 0.6348, 0.0000,
0.3066

223.8097, 0.2646,

 0.0000, 0.0000,

0.3319

0.0000

271.0404, 0.2675,
0.3318

■ 34.9818, 0.2257,
0.3321

■ 34.9818, 0.2257,
0.3321

■ 34.9731, 0.2256,
0.3321

■ 35.1226, 0.2272,
0.3318

■ 35.3838, 0.2300,
0.3314

■ 35.8055, 0.2347,
0.3311

■ 36.4083, 0.2412,
0.3307

■ 37.2097, 0.2496,
0.3304

■ 38.2252, 0.2598,
0.3301

■ 39.4687, 0.2716,
0.3298

■ 40.9530, 0.2847,
0.3295

■ 42.6899, 0.2989,
0.3292

Harmonies

Analogous

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



34.9818, 0.2668, 0.3922



34.9818, 0.2257, 0.3321



34.9818, 0.2076, 0.2785

Triad

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



34.9818, 0.2257, 0.3321



34.9818, 0.2937, 0.2474



34.9818, 0.4191, 0.4049

Complementary

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



34.9818, 0.2257, 0.3321



9.5034, 0.6373, 0.3293

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.



34.9818, 0.4305, 0.3619



34.9818, 0.2257, 0.3321



34.9818, 0.3541, 0.2758

Square

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



34.9818, 0.2257, 0.3321



34.9818, 0.2437, 0.2362



34.9818, 0.4063, 0.3162



34.9818, 0.3787, 0.4335

Rectangle

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



34.9818, 0.2257, 0.3321



34.9818, 0.2092, 0.2541



34.9818, 0.4063, 0.3162



34.9818, 0.4267, 0.3914

Sweetspot

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



34.9831, 0.2257, 0.3321



71.2531, 0.2699, 0.3298



31.8702, 0.3004, 0.5990



15.5716, 0.2649, 0.3299



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.



34.9831, 0.2257, 0.3321



63.4234, 0.2256, 0.3322



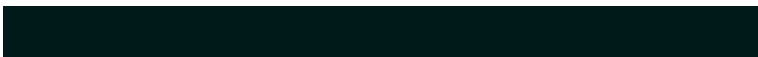
10.9936, 0.1794, 0.1652



9.6299, 0.2987, 0.3292



25.0260, 0.2256, 0.3321



0.7879, 0.2253, 0.3311

Inverse Universe

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



9.5034, 0.6373, 0.3293



17.1699, 0.6392, 0.3295



16.2485, 0.5434, 0.4058



8.5068, 0.3285, 0.3288



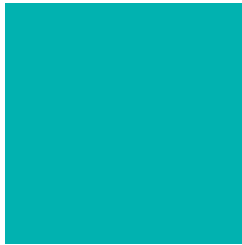
6.7761, 0.6386, 0.3291



0.2137, 0.6323, 0.3257

Previews

White Background



This preview shows how the Yxy color 34.9818, 0.2257, 0.3321 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 34.9818, 0.2257, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

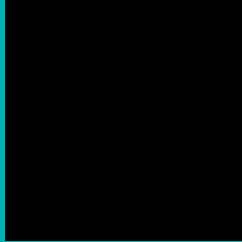
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9818, 0.2257, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 34.9818, 0.2257, 0.3321.

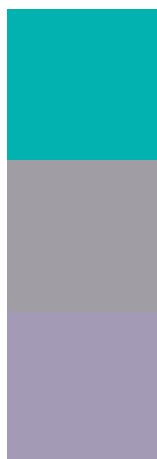


This preview shows how white text looks on a background with the Yxy color 34.9818, 0.2257, 0.3321.

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

34.9818, 0.2257, 0.3321

Protanopia

34.6076, 0.3093, 0.3202

Deuteranopia

34.5654, 0.2973, 0.2923



Tritanopia

35.1085, 0.2221, 0.3060

Trichromacy



Original Color

34.9818, 0.2257, 0.3321



Protanomaly

32.5622, 0.2587, 0.3239



Deuteranomaly

32.3921, 0.2522, 0.3033



Tritanomaly

35.1176, 0.2229, 0.3155

Monochromacy



Original Color

34.9818, 0.2257, 0.3321



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.6656, 0.2545, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9818, 0.2257, 0.3321 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 176) }
```

Border

The CSS property to change the border of an element to Yxy 34.9818, 0.2257, 0.3321 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, 176) }
```

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

```
.border{ border-color:rgb(1, 178, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9818, 0.2257, 0.3321 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, 176) }
```

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

```
.background{ background-color: rgb(1, 178,  
176) }
```

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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