

Converting Colors

$Y_{xy}(35.2377, 0.2251, 0.3303)$

Have a look what the booklet for
Yxy(35.2377, 0.2251, 0.3303)
contains.

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Color

Yxy(35.4546, 0.2251, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	00B3B2
RGB	0, 179, 178
RGB Percent	0%, 70%, 70%
CMY	1.0000, 0.2980, 0.3019
CMYK	1.00, 0.00, 0.01, 0.30
HSL	180°, 100%, 35%
HSV	180°, 100%, 70%
XYZ	24.1551, 35.4546, 47.6985
YIQ	125.3650, -106.3630, -38.2590

Conversions

Conversions Part 2

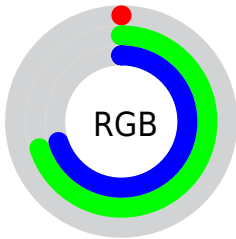
Format	Color
RYB	0, 90, 179
Decimal	46002
CIELab	66.10, -37.18, -10.34
CIELCh	66, 38.587, 195.546
Yxy	35.4546, 0.2251, 0.3304
Android (android.graphics.Color)	4278236082 (0xFF00B3B2)
YUV	125.3650, 25.9491, -109.9451
Hunter-Lab	59.5438, -31.7897, -5.8145

Details

The Yxy color **35.4546, 0.2251, 0.3304** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **9.5865, 0.6395, 0.3296**, and the grayscale version is **20.5769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0098, 0.2412, 0.3300**, and **16.1479, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **35.4573, 0.2251, 0.3304**, and if you desaturate by 10%, it is **35.5889, 0.2266, 0.3302**.

Distribution



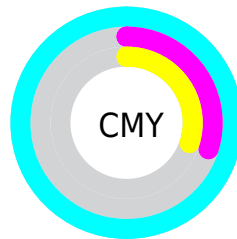
- Red (0%)
- Green (70%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4546, 0.2251, 0.3304 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 35.4546, 0.2251, 0.3304 by changing the saturation by 10% instead.

 35.4546, 0.2251,
0.3304


 35.4546, 0.2251,
0.3304


326.5704, 0.2696,
0.3310

 24.0133, 0.2139,
0.3298


 68.1894, 0.2414,
0.3309


 15.3435, 0.1995,
0.3287


 90.2517, 0.2475,
0.3311

 9.0608, 0.1804,
0.3266


 116.6231, 0.2526,
0.3311

 4.7809, 0.1541,
0.3224

 147.6880, 0.2570,
0.3311

 2.1193, 0.1163,
0.3133

 183.8307, 0.2608,
0.3311

 0.6754, 0.0000,
0.3038

225.4358, 0.2641,

 0.0000, 0.0000,

0.3311

0.0000

272.8876, 0.2670,
0.3310

■ 35.4546, 0.2251,
0.3304

■ 35.4546, 0.2251,
0.3304

■ 35.4573, 0.2251,
0.3304

■ 35.5889, 0.2266,
0.3302

■ 35.8367, 0.2293,
0.3301

■ 36.2452, 0.2339,
0.3299

■ 36.8356, 0.2403,
0.3297

■ 37.6259, 0.2486,
0.3296

■ 38.6320, 0.2587,
0.3295

■ 39.8680, 0.2704,
0.3293

■ 41.3470, 0.2835,
0.3292

■ 43.0810, 0.2977,
0.3291

Harmonies

Analogous

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



35.4546, 0.2655, 0.3904



35.4546, 0.2251, 0.3304



35.4546, 0.2077, 0.2774

Triad

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



35.4546, 0.2251, 0.3304



35.4546, 0.2954, 0.2482



35.4546, 0.4180, 0.4058

Complementary

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



35.4546, 0.2251, 0.3304



9.5865, 0.6395, 0.3296

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.



35.4546, 0.4304, 0.3631



35.4546, 0.2251, 0.3304



35.4546, 0.3557, 0.2769

Square

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



35.4546, 0.2251, 0.3304



35.4546, 0.2451, 0.2365



35.4546, 0.4072, 0.3175



35.4546, 0.3771, 0.4336

Rectangle

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



35.4546, 0.2251, 0.3304



35.4546, 0.2098, 0.2535



35.4546, 0.4072, 0.3175



35.4546, 0.4259, 0.3925

Sweetspot

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



35.4573, 0.2251, 0.3304



71.2756, 0.2697, 0.3293



32.2615, 0.3004, 0.5997



15.5773, 0.2647, 0.3294



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.



35.4573, 0.2251, 0.3304



63.4979, 0.2251, 0.3304



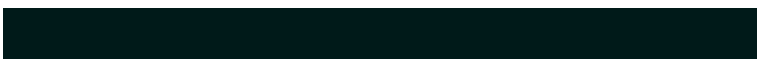
10.9936, 0.1788, 0.1637



9.6307, 0.2987, 0.3291



25.0546, 0.2251, 0.3304



0.7886, 0.2250, 0.3299

Inverse Universe

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



9.5865, 0.6395, 0.3296



17.1670, 0.6396, 0.3297



16.3231, 0.5452, 0.4053



8.5060, 0.3286, 0.3289



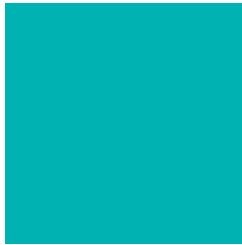
6.7742, 0.6393, 0.3296



0.2134, 0.6362, 0.3278

Previews

White Background



This preview shows how the Yxy color 35.4546, 0.2251, 0.3304 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 35.4546, 0.2251, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

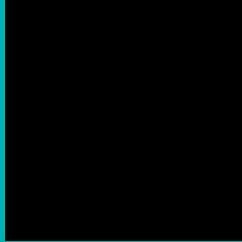
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

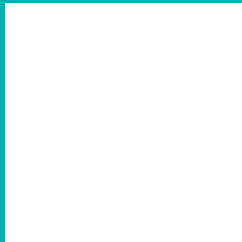
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.4546, 0.2251, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 35.4546, 0.2251, 0.3304.

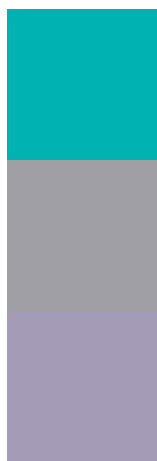


This preview shows how white text looks on a background with the Yxy color 35.4546, 0.2251, 0.3304.

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

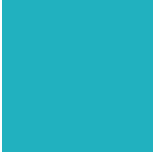
35.4546, 0.2251, 0.3304

Protanopia

35.1265, 0.3084, 0.3188

Deuteranopia

35.0883, 0.2966, 0.2911



Tritanopia

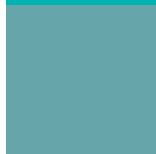
35.5292, 0.2219, 0.3061

Trichromacy



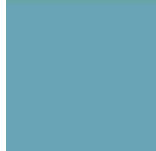
Original Color

35.4546, 0.2251, 0.3304



Protanomaly

32.9995, 0.2576, 0.3223



Deuteranomaly

32.8302, 0.2512, 0.3018



Tritanomaly

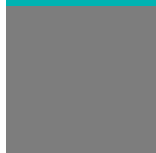
35.5454, 0.2228, 0.3156

Monochromacy



Original Color

35.4546, 0.2251, 0.3304



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.9699, 0.2548, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4546, 0.2251, 0.3304 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, 179, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 178)  
}
```

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, 179, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 178) }
```

Border

The CSS property to change the border of an element to Yxy 35.4546, 0.2251, 0.3304 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, 179, 178) }
```

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

```
.border{ border-color:rgb(0, 179, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4546, 0.2251, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 178) }
```

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

```
.background{ background-color: rgb(0, 179,  
178) }
```

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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