

Converting Colors

$Y_{xy}(34.5022, 0.2236, 0.3309)$

Have a look what the booklet for
Yxy(34.5022, 0.2236, 0.3309)
contains.

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Color

Yxy(34.5789, 0.2251, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	00B1B0
RGB	0, 177, 176
RGB Percent	0%, 69%, 69%
CMY	1.0000, 0.3059, 0.3097
CMYK	1.00, 0.00, 0.01, 0.31
HSL	180°, 100%, 35%
HSV	180°, 100%, 69%
XYZ	23.5584, 34.5789, 46.5203
YIQ	123.9630, -105.1710, -37.8350

Conversions

Conversions Part 2

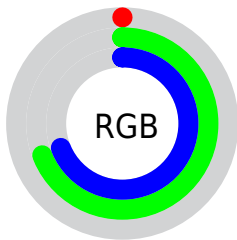
Format	Color
RYB	0, 89, 177
Decimal	45488
CIELab	65.42, -36.87, -10.26
CIELCh	65, 38.267, 195.546
Yxy	34.5789, 0.2251, 0.3304
Android (android.graphics.Color)	4278235568 (0xFF00B1B0)
YUV	123.9630, 25.6542, -108.7156
Hunter-Lab	58.8038, -31.3946, -5.7423

Details

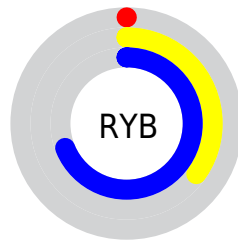
The Yxy color **34.5789, 0.2251, 0.3304** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.3497, 0.6395, 0.3296**, and the grayscale version is **20.0840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7007, 0.2412, 0.3301**, and **15.8705, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **34.5815, 0.2251, 0.3304**, and if you desaturate by 10%, it is **34.7111, 0.2266, 0.3302**.

Distribution



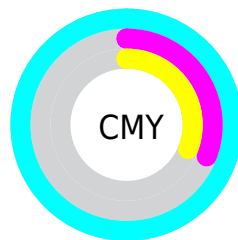
- Red (0%)
- Green (69%)
- Blue (69%)



- Red (0%)
- Yellow (35%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5789, 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 34.5789, 0.2251, 0.3304 by changing the saturation by 10% instead.


 34.5789, 0.2251,
0.3304


 34.5789, 0.2251,
0.3304


322.7057, 0.2698,
0.3310


 23.3387, 0.2138,
0.3298


 66.8329, 0.2415,
0.3310


 14.8438, 0.1992,
0.3286


 88.6155, 0.2476,
0.3311

 8.7098, 0.1798,
0.3265

 114.6809, 0.2528,
0.3311

 4.5524, 0.1530,
0.3222

 145.4137, 0.2572,
0.3311

 1.9871, 0.1138,
0.3130

 181.1982, 0.2610,
0.3311

 0.6000, 0.0000,
0.2956

222.4187, 0.2643,

 0.0000, 0.0000,

0.3311

0.0000

269.4598, 0.2672,
0.3310

■ 34.5789, 0.2251,
0.3304

■ 34.5789, 0.2251,
0.3304

■ 34.5815, 0.2251,
0.3304

■ 34.7111, 0.2266,
0.3302

■ 34.9536, 0.2294,
0.3301

■ 35.3528, 0.2339,
0.3299

■ 35.9291, 0.2403,
0.3297

■ 36.7002, 0.2486,
0.3296

■ 37.6814, 0.2587,
0.3295

■ 38.8865, 0.2704,
0.3293

■ 40.3283, 0.2835,
0.3292

■ 42.0184, 0.2977,
0.3291

Harmonies

Analogous

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



34.5789, 0.2655, 0.3904



34.5789, 0.2251, 0.3304



34.5789, 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.



34.5789, 0.2251, 0.3304



34.5789, 0.2954, 0.2482



34.5789, 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.



34.5789, 0.2251, 0.3304



9.3497, 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.



34.5789, 0.4304, 0.3631



34.5789, 0.2251, 0.3304



34.5789, 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.



34.5789, 0.2251, 0.3304



34.5789, 0.2451, 0.2365



34.5789, 0.4072, 0.3175



34.5789, 0.3771, 0.4336

Rectangle

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



34.5789, 0.2251, 0.3304



34.5789, 0.2098, 0.2535



34.5789, 0.4072, 0.3175



34.5789, 0.4259, 0.3925

Sweetspot

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



34.5815, 0.2251, 0.3304



69.5203, 0.2698, 0.3293



31.4649, 0.3004, 0.5997



14.8651, 0.2648, 0.3294



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.5815, 0.2251, 0.3304



61.9301, 0.2251, 0.3304



10.7342, 0.1789, 0.1639



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.



9.3497, 0.6395, 0.3296



16.7432, 0.6396, 0.3297



15.9318, 0.5451, 0.4054



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 34.5789, 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 34.5789, 0.2251, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

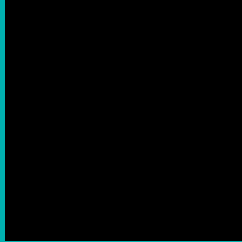
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5789, 0.2251, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 34.5789, 0.2251, 0.3304.

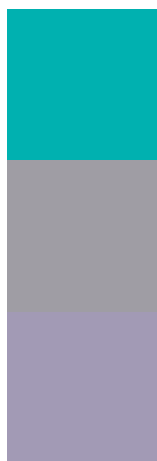


This preview shows how white text looks on a background with the Yxy color 34.5789, 0.2251, 0.3304.

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

34.5789, 0.2251, 0.3304

Protanopia

34.1652, 0.3084, 0.3187

Deuteranopia

34.1288, 0.2964, 0.2907



Tritanopia

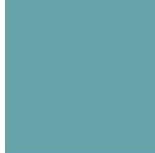
34.6574, 0.2219, 0.3059

Trichromacy



Original Color

34.5789, 0.2251, 0.3304



Protanomaly

32.1448, 0.2577, 0.3223



Deuteranomaly

31.9789, 0.2513, 0.3016



Tritanomaly

34.6708, 0.2228, 0.3155

Monochromacy



Original Color

34.5789, 0.2251, 0.3304



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.2904, 0.2542, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5789, 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, 177, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 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(0, 177, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 176) }
```

Border

The CSS property to change the border of an element to Yxy 34.5789, 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, 177, 176) }
```

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

```
.border{ border-color:rgb(0, 177, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5789, 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, 177, 176) }
```

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

```
.background{ background-color: rgb(0, 177,  
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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