

Converting Colors

$Y_{xy}(35.9978, 0.2295, 0.3463)$

Have a look what the booklet for
Yxy(35.9978, 0.2295, 0.3463)
contains.

Yxy(35.9880, 0.2294, 0.3458)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.9880, 0.2294, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	00B5AB
RGB	0, 181, 171
RGB Percent	0%, 71%, 67%
CMY	0.9997, 0.2902, 0.3295
CMYK	1.00, 0.00, 0.06, 0.29
HSL	177°, 100%, 36%
HSV	177°, 100%, 71%
XYZ	23.8741, 35.9880, 44.2097
YIQ	125.7410, -104.6660, -41.4820

Conversions

Conversions Part 2

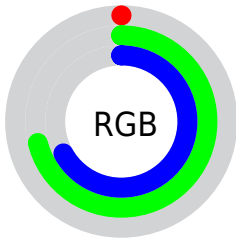
Format	Color
RYB	0, 93, 181
Decimal	46507
CIELab	66.51, -40.17, -5.84
CIELCh	67, 40.596, 188.268
Yxy	35.9880, 0.2294, 0.3458
Android (android.graphics.Color)	4278236587 (0xFF00B5AB)
YUV	125.7410, 22.3127, -110.2749
Hunter-Lab	59.9900, -33.9454, -1.7008

Details

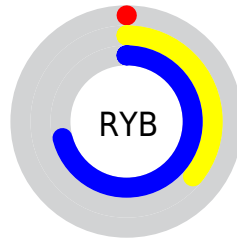
The Yxy color **35.9880, 0.2294, 0.3458** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.8481, 0.6340, 0.3267**, and the grayscale version is **20.7301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2367, 0.2451, 0.3440**, and **16.5107, 0.2299, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **35.9886, 0.2294, 0.3458**, and if you desaturate by 10%, it is **36.1575, 0.2305, 0.3440**.

Distribution



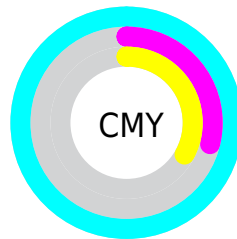
- Red (0%)
- Green (71%)
- Blue (67%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9880, 0.2294, 0.3458 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 35.9880, 0.2294, 0.3458 by changing the saturation by 10% instead.

 35.9880, 0.2294,
0.3458


 35.9880, 0.2294,
0.3458


328.9081, 0.2719,
0.3380

 24.4249, 0.2186,
0.3475


 69.0135, 0.2450,
0.3431


 15.6491, 0.2047,
0.3495


 91.2448, 0.2508,
0.3421

 9.2762, 0.1861,
0.3518


 117.8009, 0.2557,
0.3412

 4.9218, 0.1603,
0.3543

 149.0663, 0.2599,
0.3404

 2.2014, 0.1223,
0.3559

 185.4253, 0.2635,
0.3396

 0.7208, 0.0000,
0.3730

227.2623, 0.2667,

 0.0000, 0.0000,

0.3390

0.0000

274.9618, 0.2695,
0.3385

■ 35.9880, 0.2294,
0.3458

■ 35.9880, 0.2294,
0.3458

■ 35.9886, 0.2294,
0.3458

■ 36.1575, 0.2305,
0.3440

■ 36.4460, 0.2329,
0.3422

■ 36.8997, 0.2371,
0.3404

■ 37.5404, 0.2432,
0.3385

■ 38.3866, 0.2512,
0.3367

■ 39.4546, 0.2609,
0.3350

■ 40.7591, 0.2722,
0.3333

■ 42.3133, 0.2848,
0.3318

■ 44.1297, 0.2984,
0.3303

Harmonies

Analogous

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



35.9880, 0.2763, 0.4068



35.9880, 0.2294, 0.3458



35.9880, 0.2054, 0.2864

Triad

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



35.9880, 0.2294, 0.3458



35.9880, 0.2802, 0.2402



35.9880, 0.4290, 0.3987

Complementary

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



35.9880, 0.2294, 0.3458



9.8481, 0.6340, 0.3267

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.



35.9880, 0.4334, 0.3525



35.9880, 0.2294, 0.3458



35.9880, 0.3422, 0.2661

Square

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



35.9880, 0.2294, 0.3458



35.9880, 0.2324, 0.2329



35.9880, 0.4006, 0.3058



35.9880, 0.3921, 0.4335

Rectangle

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



35.9880, 0.2294, 0.3458



35.9880, 0.2035, 0.2578



35.9880, 0.4006, 0.3058



35.9880, 0.4346, 0.3839

Sweetspot

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



35.9894, 0.2294, 0.3458



72.8566, 0.2715, 0.3334



33.1284, 0.3015, 0.5988



15.5283, 0.2667, 0.3341



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.



35.9894, 0.2294, 0.3458



64.4411, 0.2295, 0.3461



12.9590, 0.1836, 0.1809



9.6233, 0.2993, 0.3302



24.8124, 0.2293, 0.3456



0.7831, 0.2279, 0.3405

Inverse Universe

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



9.8481, 0.6340, 0.3267



17.6232, 0.6357, 0.3275



15.3419, 0.5598, 0.3937



8.5126, 0.3279, 0.3278



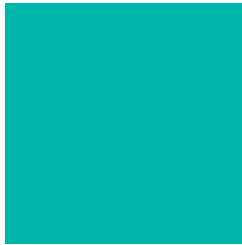
6.7909, 0.6328, 0.3260



0.2162, 0.6038, 0.3100

Previews

White Background



This preview shows how the Yxy color 35.9880, 0.2294, 0.3458 looks on a white background.

Color Contrast Check

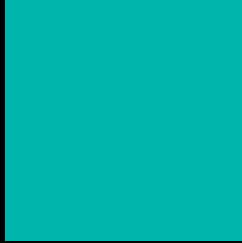
Large Text (above 18pt) WCAG AA × Fail

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 35.9880, 0.2294, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

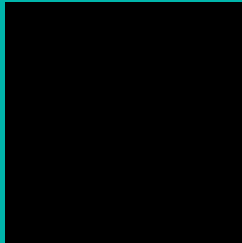
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9880, 0.2294, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 35.9880, 0.2294, 0.3458.

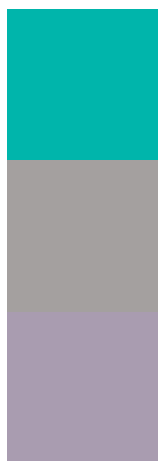


This preview shows how white text looks on a background with the Yxy color 35.9880, 0.2294, 0.3458.

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

35.9880, 0.2294, 0.3458

Protanopia

35.5373, 0.3175, 0.3305

Deuteranopia

35.3465, 0.3073, 0.3010



Tritanopia

36.1180, 0.2235, 0.3063

Trichromacy



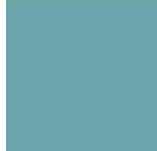
Original Color

35.9880, 0.2294, 0.3458



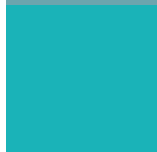
Protanomaly

33.5927, 0.2641, 0.3371



Deuteranomaly

33.1544, 0.2587, 0.3144



Tritanomaly

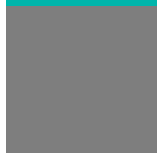
35.9205, 0.2248, 0.3205

Monochromacy



Original Color

35.9880, 0.2294, 0.3458



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.2162, 0.2566, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9880, 0.2294, 0.3458 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, 181, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 171)  
}
```

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, 181, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 171) }
```

Border

The CSS property to change the border of an element to Yxy 35.9880, 0.2294, 0.3458 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, 181, 171) }
```

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

```
.border{ border-color:rgb(0, 181, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9880, 0.2294, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 171) }
```

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

```
.background{ background-color: rgb(0, 181,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor