

Converting Colors

$Y_{xy}(34.0472, 0.2007, 0.3091)$

Have a look what the booklet for
Yxy(34.0472, 0.2007, 0.3091)
contains.

Yxy(35.5585, 0.2192, 0.3091)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.5585, 0.2192, 0.3091)

Conversions

Conversions Part 1

Format	Color
Hex	00B2BE
RGB	0, 178, 190
RGB Percent	0%, 70%, 75%
CMY	1.0000, 0.3020, 0.2548
CMYK	1.00, 0.06, 0.00, 0.25
HSL	184°, 100%, 37%
HSV	184°, 100%, 75%
XYZ	25.2165, 35.5585, 54.2638
YIQ	126.1460, -109.9400, -34.0040

Conversions

Conversions Part 2

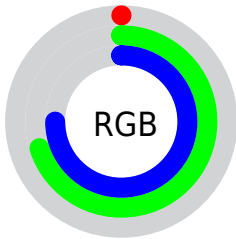
Format	Color
RYB	0, 92, 190
Decimal	45758
CIELab	66.18, -32.95, -16.88
CIELCh	66, 37.018, 207.121
Yxy	35.5585, 0.2192, 0.3091
Android (android.graphics.Color)	4278235838 (0xFF00B2BE)
YUV	126.1460, 31.4800, -110.6300
Hunter-Lab	59.6309, -28.8708, -12.2119

Details

The Yxy color **35.5585, 0.2192, 0.3091** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.2142, 0.6356, 0.3335**, and the grayscale version is **20.8367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2088, 0.2363, 0.3141**, and **16.4734, 0.2172, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **35.5596, 0.2192, 0.3091**, and if you desaturate by 10%, it is **36.1790, 0.2213, 0.3112**.

Distribution



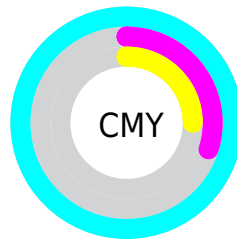
- Red (0%)
- Green (70%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (30%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5585, 0.2192, 0.3091 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 35.5585, 0.2192, 0.3091 by changing the saturation by 10% instead.


 35.5585, 0.2192,
0.3091

 35.5585, 0.2192,
0.3091


327.0267, 0.2663,
0.3211

 24.0934, 0.2075,
0.3054


 68.3501, 0.2363,
0.3139


 15.4029, 0.1926,
0.3003


 90.4454, 0.2427,
0.3156


 9.1027, 0.1731,
0.2929


 116.8528, 0.2482,
0.3170

 4.8082, 0.1466,
0.2811

 147.9569, 0.2528,
0.3181

 2.1352, 0.1098,
0.2607

 184.1419, 0.2569,
0.3190

 0.6843, 0.0000,
0.2309

225.7922, 0.2604,

 0.0000, 0.0000,

0.3198

0.0000

273.2924, 0.2635,
0.3205

■ 35.5585, 0.2192,
0.3091

■ 35.5585, 0.2192,
0.3091

■ 35.5596, 0.2192,
0.3091

■ 36.1790, 0.2213,
0.3112

■ 36.9376, 0.2248,
0.3133

■ 37.8847, 0.2301,
0.3154

■ 39.0449, 0.2373,
0.3176

■ 40.4392, 0.2463,
0.3197

■ 42.0860, 0.2571,
0.3218

■ 44.0017, 0.2694,
0.3237

■ 46.2015, 0.2830,
0.3256

■ 48.6994, 0.2975,
0.3274

Harmonies

Analogous

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



35.5585, 0.2502, 0.3664



35.5585, 0.2192, 0.3091



35.5585, 0.2115, 0.2651

Triad

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



35.5585, 0.2192, 0.3091



35.5585, 0.3182, 0.2601



35.5585, 0.4014, 0.4158

Complementary

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



35.5585, 0.2192, 0.3091



11.2142, 0.6356, 0.3335

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.



35.5585, 0.4249, 0.3789



35.5585, 0.2192, 0.3091



35.5585, 0.3752, 0.2930

Square

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



35.5585, 0.2192, 0.3091



35.5585, 0.2645, 0.2420



35.5585, 0.4157, 0.3350



35.5585, 0.3549, 0.4323

Rectangle

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



35.5585, 0.2192, 0.3091



35.5585, 0.2194, 0.2478



35.5585, 0.4157, 0.3350



35.5585, 0.4125, 0.4050

Sweetspot

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



35.5598, 0.2192, 0.3091



79.5320, 0.2688, 0.3236



36.8590, 0.2992, 0.5970



17.1279, 0.2634, 0.3228



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



35.5598, 0.2192, 0.3091



64.2794, 0.2191, 0.3088



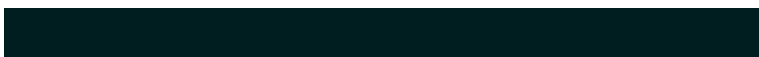
10.2972, 0.1726, 0.1412



10.7033, 0.2985, 0.3275



23.6815, 0.2193, 0.3094



0.9592, 0.2207, 0.3144

Inverse Universe

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



14.1650, 0.3375, 0.1633



25.6468, 0.3378, 0.1634



20.9555, 0.5263, 0.4203



9.6856, 0.3147, 0.3078



9.4204, 0.3372, 0.1631



0.3722, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 35.5585, 0.2192, 0.3091 looks on a white background.

Color Contrast Check

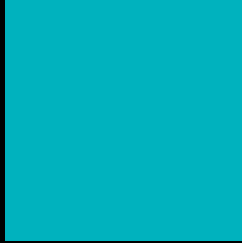
Large Text (above 18pt) WCAG AA × Fail

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 35.5585, 0.2192, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

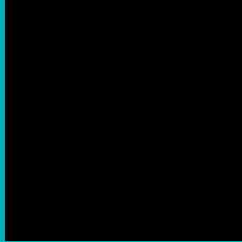
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

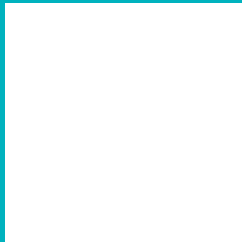
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5585, 0.2192, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 35.5585, 0.2192, 0.3091.



This preview shows how white text looks on a background with the Yxy color 35.5585, 0.2192, 0.3091.

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

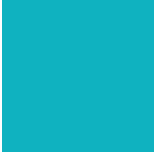
35.5585, 0.2192, 0.3091

Protanopia

35.1387, 0.2953, 0.3031

Deuteranopia

34.9862, 0.2815, 0.2748



Tritanopia

35.7481, 0.2195, 0.3061

Trichromacy



Original Color

35.5585, 0.2192, 0.3091

Protanomaly

33.3592, 0.2486, 0.3034

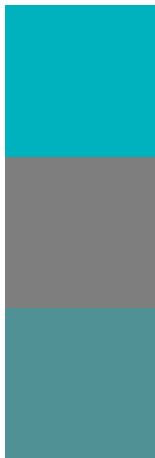
Deuteranomaly

33.1679, 0.2420, 0.2840

Tritanomaly

35.6669, 0.2195, 0.3076

Monochromacy



Original Color

35.5585, 0.2192, 0.3091

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

24.1262, 0.2512, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5585, 0.2192, 0.3091 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, 178, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 190)  
}
```

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, 178, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 190) }
```

Border

The CSS property to change the border of an element to Yxy 35.5585, 0.2192, 0.3091 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, 178, 190) }
```

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

```
.border{ border-color:rgb(0, 178, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5585, 0.2192, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 190) }
```

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

```
.background{ background-color: rgb(0, 178,  
190) }
```

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