

Converting Colors

$Y_{xy}(35.9143, 0.2201, 0.3124)$

Have a look what the booklet for
Yxy(35.9143, 0.2201, 0.3124)
contains.

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Color

Yxy(35.9143, 0.2201, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	00B3BD
RGB	0, 179, 189
RGB Percent	0%, 70%, 74%
CMY	1.0000, 0.2980, 0.2588
CMYK	1.00, 0.05, 0.00, 0.26
HSL	183°, 100%, 37%
HSV	183°, 100%, 74%
XYZ	25.3033, 35.9143, 53.7450
YIQ	126.6190, -109.8940, -34.8380

Conversions

Conversions Part 2

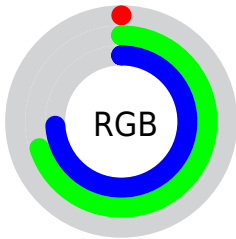
Format	Color
RYB	0, 92, 189
Decimal	46013
CIELab	66.45, -33.76, -15.90
CIELCh	66, 37.314, 205.217
Yxy	35.9143, 0.2201, 0.3124
Android (android.graphics.Color)	4278236093 (0xFF00B3BD)
YUV	126.6190, 30.7538, -111.0449
Hunter-Lab	59.9285, -29.5080, -11.2224

Details

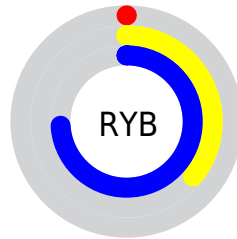
The Yxy color **35.9143, 0.2201, 0.3124** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.0366, 0.6364, 0.3329**, and the grayscale version is **21.0086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7186, 0.2370, 0.3165**, and **16.6993, 0.2185, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **35.9171, 0.2201, 0.3124**, and if you desaturate by 10%, it is **36.4568, 0.2221, 0.3141**.

Distribution



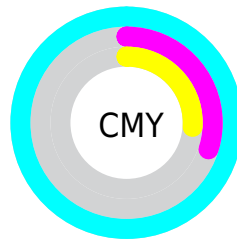
- Red (0%)
- Green (70%)
- Blue (74%)



- Red (0%)
- Yellow (36%)
- Blue (74%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (30%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9143, 0.2201, 0.3124 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 35.9143, 0.2201, 0.3124 by changing the saturation by 10% instead.

 35.9143, 0.2201,
0.3124


 35.9143, 0.2201,
0.3124


328.5858, 0.2667,
0.3226


 24.3680, 0.2085,
0.3092


 68.8998, 0.2370,
0.3166


 15.6068, 0.1938,
0.3047


 91.1077, 0.2434,
0.3180

 9.2464, 0.1744,
0.2981

 117.6384, 0.2488,
0.3192

 4.9022, 0.1482,
0.2874

 148.8761, 0.2534,
0.3201

 2.1900, 0.1116,
0.2688

 185.2054, 0.2574,
0.3209

 0.7145, 0.0000,
0.2438

227.0104, 0.2609,

 0.0000, 0.0000,

0.3215

0.0000

274.6758, 0.2640,
0.3221

■ 35.9143, 0.2201,
0.3124

■ 35.9143, 0.2201,
0.3124

■ 35.9171, 0.2201,
0.3124

■ 36.4568, 0.2221,
0.3141

■ 37.1329, 0.2255,
0.3159

■ 37.9938, 0.2306,
0.3177

■ 39.0640, 0.2377,
0.3194

■ 40.3641, 0.2467,
0.3212

■ 41.9122, 0.2573,
0.3229

■ 43.7246, 0.2695,
0.3246

■ 45.8162, 0.2830,
0.3262

■ 48.2008, 0.2975,
0.3276

Harmonies

Analogous

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



35.9143, 0.2526, 0.3702



35.9143, 0.2201, 0.3124



35.9143, 0.2108, 0.2670

Triad

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



35.9143, 0.2201, 0.3124



35.9143, 0.3145, 0.2582



35.9143, 0.4041, 0.4142

Complementary

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



35.9143, 0.2201, 0.3124



11.0366, 0.6364, 0.3329

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.



35.9143, 0.4259, 0.3763



35.9143, 0.2201, 0.3124



35.9143, 0.3721, 0.2904

Square

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



35.9143, 0.2201, 0.3124



35.9143, 0.2613, 0.2411



35.9143, 0.4145, 0.3321



35.9143, 0.3585, 0.4327

Rectangle

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



35.9143, 0.2201, 0.3124



35.9143, 0.2178, 0.2486



35.9143, 0.4145, 0.3321



35.9143, 0.4147, 0.4030

Sweetspot

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



35.9171, 0.2201, 0.3124



78.1389, 0.2689, 0.3245



36.4182, 0.2992, 0.5969



16.4985, 0.2636, 0.3238



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.9171, 0.2201, 0.3124



64.2088, 0.2200, 0.3121



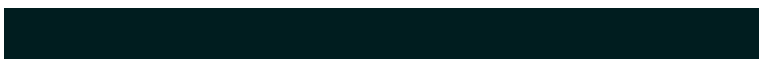
10.1796, 0.1726, 0.1412



10.7207, 0.2985, 0.3277



24.2006, 0.2202, 0.3126



0.9746, 0.2213, 0.3168

Inverse Universe

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



14.0744, 0.3346, 0.1617



25.1942, 0.3349, 0.1618



20.7107, 0.5263, 0.4203



9.6873, 0.3146, 0.3076



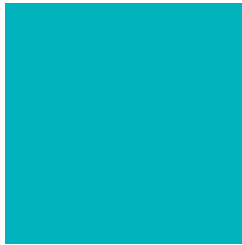
9.4728, 0.3345, 0.1616



0.3737, 0.3309, 0.1597

Previews

White Background



This preview shows how the Yxy color 35.9143, 0.2201, 0.3124 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 35.9143, 0.2201, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

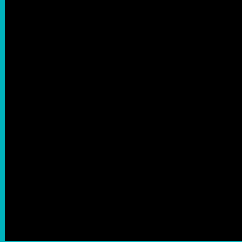
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

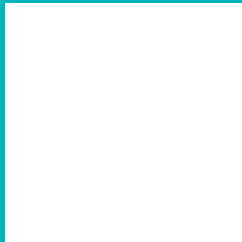
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9143, 0.2201, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 35.9143, 0.2201, 0.3124.



This preview shows how white text looks on a background with the Yxy color 35.9143, 0.2201, 0.3124.

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

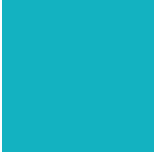
35.9143, 0.2201, 0.3124

Protanopia

35.3018, 0.2979, 0.3046

Deuteranopia

35.4826, 0.2841, 0.2778



Tritanopia

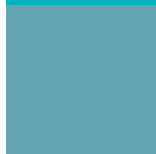
35.8295, 0.2194, 0.3045

Trichromacy



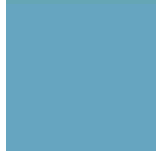
Original Color

35.9143, 0.2201, 0.3124



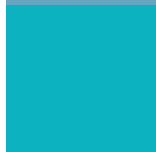
Protanomaly

33.3753, 0.2499, 0.3050



Deuteranomaly

33.5408, 0.2435, 0.2871



Tritanomaly

35.7247, 0.2192, 0.3061

Monochromacy



Original Color

35.9143, 0.2201, 0.3124



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.5091, 0.2515, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9143, 0.2201, 0.3124 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 189) }
```

Border

The CSS property to change the border of an element to Yxy 35.9143, 0.2201, 0.3124 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, 189) }
```

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

```
.border{ border-color:rgb(0, 179, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9143, 0.2201, 0.3124 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, 189) }
```

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

```
.background{ background-color: rgb(0, 179,  
189) }
```

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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