

Converting Colors

$Yxy(32.5146, 0.1821, 0.3118)$

Have a look what the booklet for
Yxy(32.5146, 0.1821, 0.3118)
contains.

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Color

Yxy(35.4716, 0.2201, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	00B2BC
RGB	0, 178, 188
RGB Percent	0%, 70%, 74%
CMY	0.9994, 0.3020, 0.2627
CMYK	1.00, 0.05, 0.00, 0.26
HSL	183°, 100%, 37%
HSV	183°, 100%, 74%
XYZ	24.9994, 35.4716, 53.1109
YIQ	125.9180, -109.2980, -34.6260

Conversions

Conversions Part 2

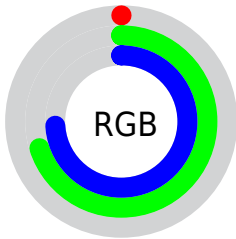
Format	Color
RYB	0, 91, 188
Decimal	45756
CIELab	66.11, -33.58, -15.86
CIElCh	66, 37.141, 205.279
Yxy	35.4716, 0.2201, 0.3123
Android (android.graphics.Color)	4278235836 (0xFF00B2BC)
YUV	125.9180, 30.6064, -110.4301
Hunter-Lab	59.5580, -29.3016, -11.1812

Details

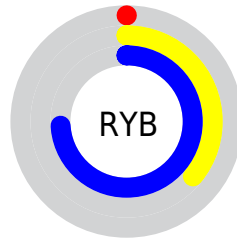
The Yxy color **35.4716, 0.2201, 0.3123** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.9138, 0.6362, 0.3330**, and the grayscale version is **20.7741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0866, 0.2371, 0.3165**, and **16.4165, 0.2184, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **35.4684, 0.2201, 0.3123**, and if you desaturate by 10%, it is **36.0101, 0.2221, 0.3140**.

Distribution



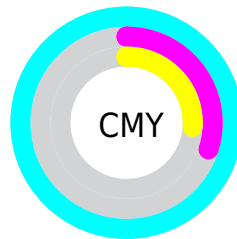
- Red (0%)
- Green (70%)
- Blue (74%)



- 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 35.4716, 0.2201, 0.3123 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 35.4716, 0.2201, 0.3123 by changing the saturation by 10% instead.


 35.4716, 0.2201,
0.3123


 35.4716, 0.2201,
0.3123


326.6451, 0.2668,
0.3226

 24.0264, 0.2085,
0.3091


 68.2157, 0.2371,
0.3165

 15.3532, 0.1936,
0.3045


 90.2834, 0.2435,
0.3179


 9.0676, 0.1741,
0.2978


 116.6607, 0.2489,
0.3191

 4.7853, 0.1477,
0.2870

 147.7320, 0.2535,
0.3201

 2.1219, 0.1107,
0.2680

 183.8817, 0.2575,
0.3208

 0.6769, 0.0000,
0.2401

225.4941, 0.2610,

 0.0000, 0.0000,

0.3215

0.0000

272.9538, 0.2641,
0.3221

■ 35.4716, 0.2201,
0.3123

■ 35.4716, 0.2201,
0.3123

■ 35.4684, 0.2201,
0.3123

■ 36.0101, 0.2221,
0.3140

■ 36.6827, 0.2255,
0.3158

■ 37.5382, 0.2307,
0.3176

■ 38.6007, 0.2378,
0.3194

■ 39.8904, 0.2467,
0.3212

■ 41.4253, 0.2574,
0.3229

■ 43.2213, 0.2697,
0.3246

■ 45.2934, 0.2832,
0.3262

■ 47.6549, 0.2977,
0.3276

Harmonies

Analogous

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



35.4716, 0.2525, 0.3701



35.4716, 0.2201, 0.3123



35.4716, 0.2109, 0.2670

Triad

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



35.4716, 0.2201, 0.3123



35.4716, 0.3146, 0.2583



35.4716, 0.4040, 0.4143

Complementary

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



35.4716, 0.2201, 0.3123



10.9138, 0.6362, 0.3330

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.



35.4716, 0.4258, 0.3764



35.4716, 0.2201, 0.3123



35.4716, 0.3722, 0.2905

Square

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



35.4716, 0.2201, 0.3123



35.4716, 0.2615, 0.2412



35.4716, 0.4145, 0.3322



35.4716, 0.3583, 0.4326

Rectangle

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



35.4716, 0.2201, 0.3123



35.4716, 0.2179, 0.2486



35.4716, 0.4145, 0.3322



35.4716, 0.4146, 0.4030

Sweetspot

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



35.4729, 0.2201, 0.3123



78.1222, 0.2689, 0.3245



35.9926, 0.2992, 0.5969



16.4944, 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.



35.4729, 0.2201, 0.3123



64.1557, 0.2200, 0.3120



10.0811, 0.1727, 0.1415



10.7200, 0.2985, 0.3277



24.1812, 0.2201, 0.3125



0.9741, 0.2213, 0.3167

Inverse Universe

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



13.9104, 0.3347, 0.1618



25.1888, 0.3350, 0.1619



20.4888, 0.5261, 0.4204



9.6873, 0.3146, 0.3076



9.4708, 0.3346, 0.1617



0.3737, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 35.4716, 0.2201, 0.3123 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 35.4716, 0.2201, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

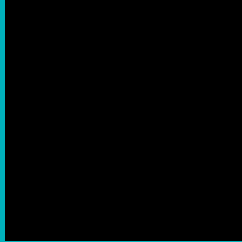
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4716, 0.2201, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 35.4716, 0.2201, 0.3123.



This preview shows how white text looks on a background with the Yxy color 35.4716, 0.2201, 0.3123.

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

35.4716, 0.2201, 0.3123

Protanopia

35.1605, 0.2979, 0.3059

Deuteranopia

34.9981, 0.2839, 0.2775



Tritanopia

35.3885, 0.2194, 0.3044

Trichromacy



Original Color

35.4716, 0.2201, 0.3123

Protanomaly

33.3344, 0.2505, 0.3065

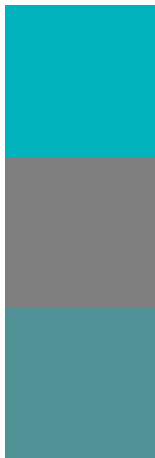
Deuteranomaly

33.0792, 0.2432, 0.2868

Tritanomaly

35.2840, 0.2192, 0.3059

Monochromacy



Original Color

35.4716, 0.2201, 0.3123

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 35.4716, 0.2201, 0.3123 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 188) }
```

Border

The CSS property to change the border of an element to Yxy 35.4716, 0.2201, 0.3123 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, 188) }
```

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

```
.border{ border-color:rgb(0, 178, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4716, 0.2201, 0.3123 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, 188) }
```

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

```
.background{ background-color: rgb(0, 178,  
188) }
```

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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