

Converting Colors

$Y_{xy}(32.8083, 0.2106, 0.3137)$

Have a look what the booklet for
Yxy(32.8083, 0.2106, 0.3137)
contains.

Yxy(33.6910, 0.2205, 0.3136)	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(33.6910, 0.2205, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	01AEB7
RGB	1, 174, 183
RGB Percent	0%, 68%, 72%
CMY	0.9974, 0.3177, 0.2824
CMYK	1.00, 0.05, 0.00, 0.28
HSL	183°, 99%, 36%
HSV	183°, 100%, 72%
XYZ	23.6890, 33.6910, 50.0531
YIQ	123.2990, -105.9970, -33.8770

Conversions

Conversions Part 2

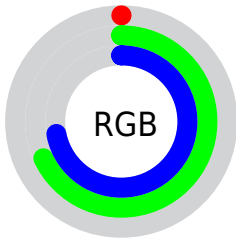
Format	Color
RYB	1, 90, 183
Decimal	110263
CIELab	64.72, -33.26, -15.19
CIELCh	65, 36.562, 204.545
Yxy	33.6910, 0.2205, 0.3136
Android (android.graphics.Color)	4278300343 (0xFF01AEB7)
YUV	123.2990, 29.4326, -107.2562
Hunter-Lab	58.0439, -28.7272, -10.4968

Details

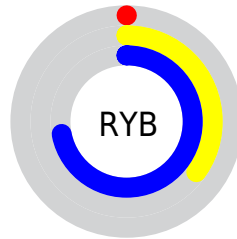
The Yxy color **33.6910, 0.2205, 0.3136** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2786, 0.6358, 0.3328**, and the grayscale version is **19.8019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4783, 0.2377, 0.3175**, and **15.2865, 0.2189, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **33.6752, 0.2204, 0.3135**, and if you desaturate by 10%, it is **34.1765, 0.2225, 0.3152**.

Distribution



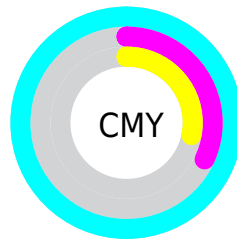
- Red (0%)
- Green (68%)
- Blue (72%)



- Red (0%)
- Yellow (35%)
- Blue (72%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (32%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6910, 0.2205, 0.3136 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 33.6910, 0.2205, 0.3136 by changing the saturation by 10% instead.


 33.6910, 0.2205,
0.3136


 33.6910, 0.2205,
0.3136


318.7520, 0.2674,
0.3233


 22.6563, 0.2087,
0.3105


 65.4529, 0.2377,
0.3176


 14.3399, 0.1935,
0.3061


 86.9488, 0.2441,
0.3190


 8.3575, 0.1735,
0.2994


 112.7007, 0.2495,
0.3200

 4.3245, 0.1460,
0.2886

 143.0928, 0.2541,
0.3209

 1.8567, 0.1067,
0.2691

 178.5096, 0.2581,
0.3217

 0.5222, 0.0000,
0.2253

219.3355, 0.2616,

 0.0000, 0.0000,

0.3223

0.0000

265.9548, 0.2647,
0.3228

■ 33.6910, 0.2205,
0.3136

■ 33.6910, 0.2205,
0.3136

■ 33.6752, 0.2204,
0.3135

■ 34.1765, 0.2225,
0.3152

■ 34.7895, 0.2259,
0.3168

■ 35.5747, 0.2311,
0.3185

■ 36.5545, 0.2383,
0.3202

■ 37.7477, 0.2472,
0.3218

■ 39.1711, 0.2579,
0.3234

■ 40.8397, 0.2701,
0.3249

■ 42.7670, 0.2836,
0.3264

■ 44.9659, 0.2981,
0.3278

Harmonies

Analogous

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



33.6910, 0.2535, 0.3715



33.6910, 0.2205, 0.3136



33.6910, 0.2107, 0.2677

Triad

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



33.6910, 0.2205, 0.3136



33.6910, 0.3132, 0.2576



33.6910, 0.4050, 0.4136

Complementary

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



33.6910, 0.2205, 0.3136



10.2786, 0.6358, 0.3328

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.



33.6910, 0.4261, 0.3754



33.6910, 0.2205, 0.3136



33.6910, 0.3709, 0.2896

Square

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



33.6910, 0.2205, 0.3136



33.6910, 0.2603, 0.2409



33.6910, 0.4139, 0.3312



33.6910, 0.3597, 0.4327

Rectangle

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



33.6910, 0.2205, 0.3136



33.6910, 0.2173, 0.2490



33.6910, 0.4139, 0.3312



33.6910, 0.4154, 0.4022

Sweetspot

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



33.6922, 0.2205, 0.3136



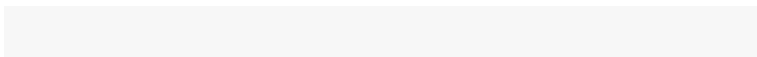
72.8691, 0.2690, 0.3248



33.8857, 0.2994, 0.5976



15.8086, 0.2638, 0.3242



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



33.6922, 0.2205, 0.3136



60.2092, 0.2204, 0.3133



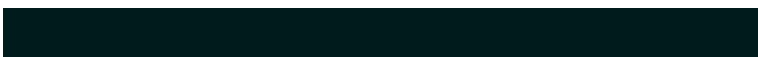
10.0398, 0.1744, 0.1476



10.1325, 0.2985, 0.3278



23.5229, 0.2205, 0.3137



0.8526, 0.2216, 0.3179

Inverse Universe

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



13.1373, 0.3336, 0.1613



23.4904, 0.3339, 0.1613



18.7874, 0.5302, 0.4169



9.1549, 0.3145, 0.3076



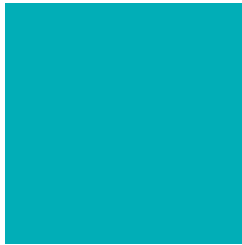
9.1570, 0.3335, 0.1611



0.3252, 0.3300, 0.1591

Previews

White Background



This preview shows how the Yxy color 33.6910, 0.2205, 0.3136 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 33.6910, 0.2205, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

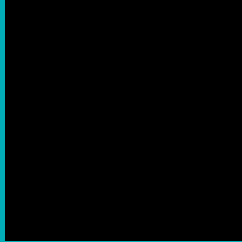
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6910, 0.2205, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 33.6910, 0.2205, 0.3136.



This preview shows how white text looks on a background with the Yxy color 33.6910, 0.2205, 0.3136.

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

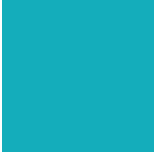
33.6975, 0.2205, 0.3136

Protanopia

33.2530, 0.2975, 0.3054

Deuteranopia

33.3819, 0.2842, 0.2791



Tritanopia

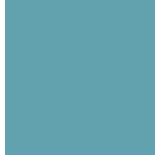
33.6237, 0.2199, 0.3055

Trichromacy



Original Color

33.6975, 0.2205, 0.3136



Protanomaly

31.5325, 0.2506, 0.3076



Deuteranomaly

31.6876, 0.2441, 0.2891



Tritanomaly

33.5179, 0.2196, 0.3071

Monochromacy



Original Color

33.6975, 0.2205, 0.3136



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.0526, 0.2524, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6910, 0.2205, 0.3136 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(1, 174, 183)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 183)  
}
```

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(1, 174, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 174, 183) }
```

Border

The CSS property to change the border of an element to Yxy 33.6910, 0.2205, 0.3136 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(1, 174, 183) }
```

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

```
.border{ border-color:rgb(1, 174, 183) }
```

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

Here you see how a box with a 4 pixel rgb(1, 174, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 174, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 174, 183);  
box-shadow:4px 4px 4px 4px rgb(1, 174,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6910, 0.2205, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 174, 183) }
```

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

```
.background{ background-color: rgb(1, 174,  
183) }
```

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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