

Converting Colors

$Y_{xy}(32.7068, 0.2001, 0.3211)$

Have a look what the booklet for
Yxy(32.7068, 0.2001, 0.3211)
contains.

Yxy(34.3869, 0.2223, 0.3203)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.3869, 0.2223, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	00B0B5
RGB	0, 176, 181
RGB Percent	0%, 69%, 71%
CMY	1.0000, 0.3098, 0.2901
CMYK	1.00, 0.03, 0.00, 0.29
HSL	182°, 100%, 35%
HSV	182°, 100%, 71%
XYZ	23.8658, 34.3869, 49.1057
YIQ	123.9460, -106.5010, -35.7570

Conversions

Conversions Part 2

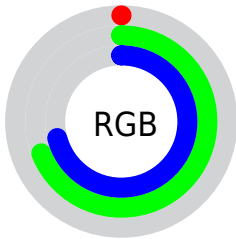
Format	Color
RYB	0, 89, 181
Decimal	45237
CIELab	65.27, -34.86, -13.26
CIELCh	65, 37.292, 200.823
Yxy	34.3869, 0.2223, 0.3203
Android (android.graphics.Color)	4278235317 (0xFF00B0B5)
YUV	123.9460, 28.1276, -108.7006
Hunter-Lab	58.6403, -29.9737, -8.6015

Details

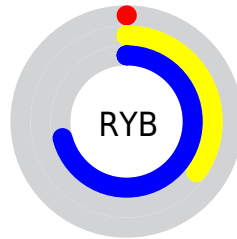
The Yxy color **34.3869, 0.2223, 0.3203** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.9351, 0.6380, 0.3316**, and the grayscale version is **20.0696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4803, 0.2391, 0.3225**, and **15.7244, 0.2214, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **34.3891, 0.2223, 0.3203**, and if you desaturate by 10%, it is **34.7158, 0.2241, 0.3212**.

Distribution



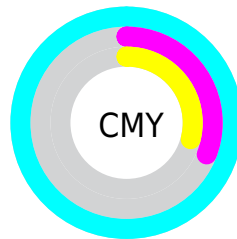
- Red (0%)
- Green (69%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3869, 0.2223, 0.3203 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 34.3869, 0.2223, 0.3203 by changing the saturation by 10% instead.

 34.3869, 0.2223,
0.3203


 34.3869, 0.2223,
0.3203


321.8538, 0.2683,
0.3263


 23.1910, 0.2107,
0.3182


 66.5349, 0.2391,
0.3229


 14.7346, 0.1958,
0.3151


 88.2557, 0.2454,
0.3238


 8.6333, 0.1762,
0.3102


 114.2537, 0.2507,
0.3245

 4.5028, 0.1492,
0.3019

 144.9131, 0.2553,
0.3250

 1.9586, 0.1105,
0.2864

 180.6185, 0.2592,
0.3254

 0.5833, 0.0000,
0.2561

221.7541, 0.2626,

 0.0000, 0.0000,

0.3258

0.0000

268.7044, 0.2656,
0.3261

■ 34.3869, 0.2223,
0.3203

■ 34.3869, 0.2223,
0.3203

■ 34.3891, 0.2223,
0.3203

■ 34.7158, 0.2241,
0.3212

■ 35.1628, 0.2272,
0.3221

■ 35.7753, 0.2321,
0.3230

■ 36.5753, 0.2388,
0.3239

■ 37.5812, 0.2475,
0.3249

■ 38.8093, 0.2579,
0.3258

■ 40.2742, 0.2699,
0.3266

■ 41.9894, 0.2832,
0.3275

■ 43.9672, 0.2976,
0.3283

Harmonies

Analogous

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



34.3869, 0.2583, 0.3792



34.3869, 0.2223, 0.3203



34.3869, 0.2094, 0.2715

Triad

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



34.3869, 0.2223, 0.3203



34.3869, 0.3059, 0.2537



34.3869, 0.4104, 0.4105

Complementary

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



34.3869, 0.2223, 0.3203



9.9351, 0.6380, 0.3316

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.



34.3869, 0.4280, 0.3704



34.3869, 0.2223, 0.3203



34.3869, 0.3648, 0.2844

Square

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



34.3869, 0.2223, 0.3203



34.3869, 0.2540, 0.2391



34.3869, 0.4113, 0.3256



34.3869, 0.3668, 0.4332

Rectangle

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



34.3869, 0.2223, 0.3203



34.3869, 0.2142, 0.2508



34.3869, 0.4113, 0.3256



34.3869, 0.4197, 0.3983

Sweetspot

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



34.3891, 0.2223, 0.3203



71.9706, 0.2693, 0.3266



33.0626, 0.2997, 0.5989



15.3109, 0.2641, 0.3262



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.



34.3891, 0.2223, 0.3203



61.5161, 0.2223, 0.3202



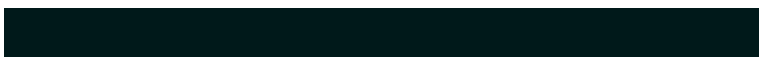
10.2335, 0.1757, 0.1525



9.5903, 0.2986, 0.3283



23.7189, 0.2223, 0.3204



0.7588, 0.2230, 0.3229

Inverse Universe

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



12.9609, 0.3279, 0.1580



23.2011, 0.3281, 0.1581



17.7477, 0.5356, 0.4129



8.6426, 0.3142, 0.3072



8.9346, 0.3279, 0.1580



0.2824, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 34.3869, 0.2223, 0.3203 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 34.3869, 0.2223, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

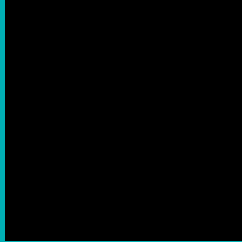
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

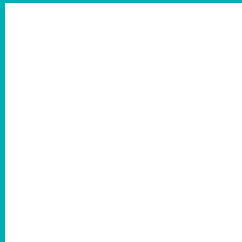
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3869, 0.2223, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 34.3869, 0.2223, 0.3203.

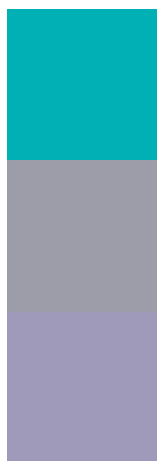


This preview shows how white text looks on a background with the Yxy color 34.3869, 0.2223, 0.3203.

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

34.3869, 0.2223, 0.3203

Protanopia

33.8096, 0.3021, 0.3099

Deuteranopia

34.0273, 0.2895, 0.2837



Tritanopia

34.5537, 0.2207, 0.3058

Trichromacy



Original Color

34.3869, 0.2223, 0.3203



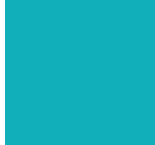
Protanomaly

31.9208, 0.2535, 0.3125



Deuteranomaly

32.0681, 0.2469, 0.2939



Tritanomaly

34.3243, 0.2210, 0.3105

Monochromacy



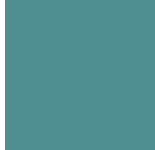
Original Color

34.3869, 0.2223, 0.3203



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.3515, 0.2527, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3869, 0.2223, 0.3203 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, 176, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 181)  
}
```

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, 176, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 181) }
```

Border

The CSS property to change the border of an element to Yxy 34.3869, 0.2223, 0.3203 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, 176, 181) }
```

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

```
.border{ border-color:rgb(0, 176, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3869, 0.2223, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 181) }
```

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

```
.background{ background-color: rgb(0, 176,  
181) }
```

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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