

Converting Colors

$Y_{xy}(31.2211, 0.1829, 0.3151)$

Have a look what the booklet for
Yxy(31.2211, 0.1829, 0.3151)
contains.

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Color

Yxy(34.0788, 0.2209, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	00AFB7
RGB	0, 175, 183
RGB Percent	0%, 69%, 72%
CMY	1.0000, 0.3137, 0.2823
CMYK	1.00, 0.04, 0.00, 0.28
HSL	183°, 100%, 36%
HSV	183°, 100%, 72%
XYZ	23.8757, 34.0788, 50.1292
YIQ	123.5870, -106.8680, -34.6120

Conversions

Conversions Part 2

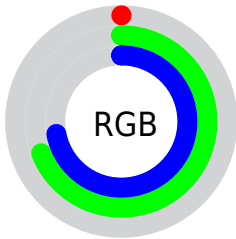
Format	Color
RYB	0, 89, 183
Decimal	44983
CIELab	65.03, -33.76, -14.73
CIELCh	65, 36.838, 203.577
Yxy	34.0788, 0.2209, 0.3153
Android (android.graphics.Color)	4278235063 (0xFF00AFB7)
YUV	123.5870, 29.2906, -108.3858
Hunter-Lab	58.3771, -29.1549, -10.0493

Details

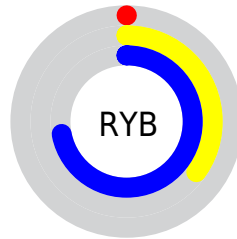
The Yxy color **34.0788, 0.2209, 0.3153** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2436, 0.6369, 0.3325**, and the grayscale version is **19.9410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0365, 0.2380, 0.3188**, and **15.5308, 0.2195, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **34.0819, 0.2209, 0.3153**, and if you desaturate by 10%, it is **34.5263, 0.2228, 0.3167**.

Distribution



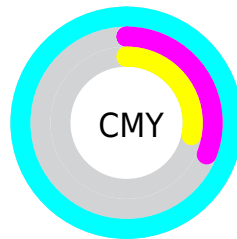
- Red (0%)
- Green (69%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0788, 0.2209, 0.3153 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 34.0788, 0.2209, 0.3153 by changing the saturation by 10% instead.


 34.0788, 0.2209,
0.3153

 34.0788, 0.2209,
0.3153


320.4833, 0.2676,
0.3240

 22.9541, 0.2092,
0.3125


 66.0562, 0.2380,
0.3190


 14.5596, 0.1941,
0.3084


 87.6777, 0.2443,
0.3202


 8.5109, 0.1742,
0.3022


 113.5670, 0.2497,
0.3212

 4.4236, 0.1470,
0.2920

 144.1084, 0.2543,
0.3219

 1.9132, 0.1082,
0.2736

 179.6863, 0.2583,
0.3226

 0.5563, 0.0000,
0.2357

220.6852, 0.2618,

 0.0000, 0.0000,

0.3232

0.0000

267.4894, 0.2649,
0.3236

■ 34.0788, 0.2209,
0.3153

■ 34.0788, 0.2209,
0.3153

■ 34.0819, 0.2209,
0.3153

■ 34.5263, 0.2228,
0.3167

■ 35.0956, 0.2261,
0.3182

■ 35.8357, 0.2312,
0.3196

■ 36.7692, 0.2382,
0.3211

■ 37.9151, 0.2470,
0.3225

■ 39.2901, 0.2576,
0.3240

■ 40.9093, 0.2697,
0.3253

■ 42.7864, 0.2831,
0.3266

■ 44.9341, 0.2976,
0.3279

Harmonies

Analogous

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



34.0788, 0.2547, 0.3735



34.0788, 0.2209, 0.3153



34.0788, 0.2103, 0.2687

Triad

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



34.0788, 0.2209, 0.3153



34.0788, 0.3113, 0.2565



34.0788, 0.4065, 0.4129

Complementary

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



34.0788, 0.2209, 0.3153



10.2436, 0.6369, 0.3325

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.



34.0788, 0.4267, 0.3741



34.0788, 0.2209, 0.3153



34.0788, 0.3694, 0.2882

Square

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



34.0788, 0.2209, 0.3153



34.0788, 0.2586, 0.2404



34.0788, 0.4133, 0.3297



34.0788, 0.3616, 0.4329

Rectangle

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



34.0788, 0.2209, 0.3153



34.0788, 0.2165, 0.2494



34.0788, 0.4133, 0.3297



34.0788, 0.4166, 0.4013

Sweetspot

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



34.0819, 0.2209, 0.3153



73.0962, 0.2691, 0.3253



33.8884, 0.2994, 0.5979



15.8656, 0.2638, 0.3247



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.



34.0819, 0.2209, 0.3153



60.9335, 0.2209, 0.3151



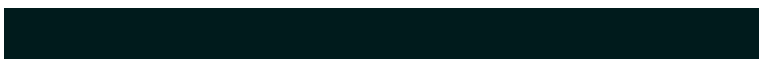
9.9813, 0.1742, 0.1469



10.1414, 0.2985, 0.3279



23.7975, 0.2210, 0.3155



0.8598, 0.2220, 0.3191

Inverse Universe

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



13.1650, 0.3322, 0.1604



23.5635, 0.3324, 0.1605



18.7323, 0.5309, 0.4167



9.1558, 0.3144, 0.3074



9.1847, 0.3320, 0.1603



0.3259, 0.3289, 0.1586

Previews

White Background



This preview shows how the Yxy color 34.0788, 0.2209, 0.3153 looks on a white background.

Color Contrast Check

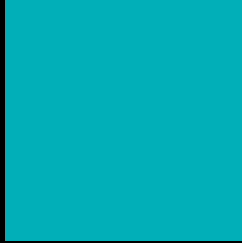
Large Text (above 18pt) WCAG AA × Fail

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 34.0788, 0.2209, 0.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

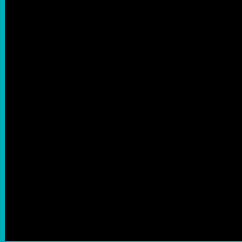
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

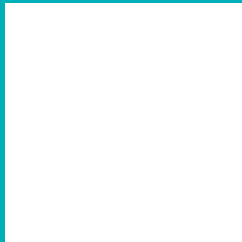
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0788, 0.2209, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 34.0788, 0.2209, 0.3153.

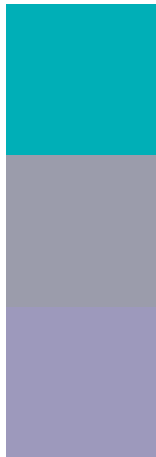


This preview shows how white text looks on a background with the Yxy color 34.0788, 0.2209, 0.3153.

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

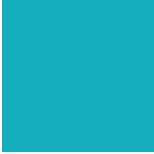
34.0788, 0.2209, 0.3153

Protanopia

33.6858, 0.2985, 0.3069

Deuteranopia

33.5814, 0.2860, 0.2794



Tritanopia

34.0735, 0.2202, 0.3057

Trichromacy



Original Color

34.0788, 0.2209, 0.3153



Protanomaly

31.9422, 0.2516, 0.3093



Deuteranomaly

31.7442, 0.2447, 0.2892



Tritanomaly

33.9106, 0.2202, 0.3088

Monochromacy



Original Color

34.0788, 0.2209, 0.3153



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 34.0788, 0.2209, 0.3153 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, 175, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 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(0, 175, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 183) }
```

Border

The CSS property to change the border of an element to Yxy 34.0788, 0.2209, 0.3153 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, 175, 183) }
```

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

```
.border{ border-color:rgb(0, 175, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0788, 0.2209, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 183) }
```

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

```
.background{ background-color: rgb(0, 175,  
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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