

# Converting Colors

$Y_{xy}(38.9069, 0.2210, 0.3154)$

Have a look what the booklet for  
Yxy(38.9069, 0.2210, 0.3154)  
contains.

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# Color

**Yxy(39.0193, 0.2212, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01BAC2
RGB	1, 186, 194
RGB Percent	0%, 73%, 76%
CMY	0.9950, 0.2706, 0.2391
CMYK	0.99, 0.04, 0.00, 0.24
HSL	182°, 99%, 38%
HSV	182°, 99%, 76%
XYZ	27.3135, 39.0193, 57.1460
YIQ	131.5970, -112.8280, -36.7320

# Conversions

## Conversions Part 2

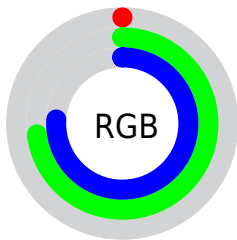
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 95, 194
Decimal	113346
CIELab	68.77, -35.42, -15.18
CIELCh	69, 38.532, 203.200
Yxy	39.0193, 0.2212, 0.3160
Android (android.graphics.Color)	4278303426 (0xFF01BAC2)
YUV	131.5970, 30.7647, -114.5336
Hunter-Lab	62.4654, -31.2639, -10.5152

# Details

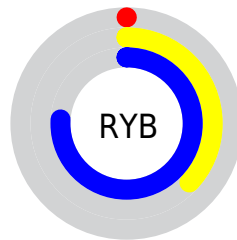
The Yxy color **39.0193, 0.2212, 0.3160** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.6777, 0.6362, 0.3322**, and the grayscale version is **22.8710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8281, 0.2378, 0.3204**, and **18.3960, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **38.9901, 0.2211, 0.3159**, and if you desaturate by 10%, it is **39.5100, 0.2231, 0.3174**.

# Distribution



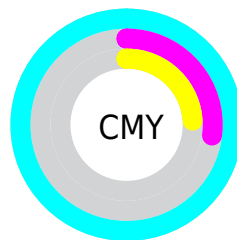
- Red (0%)
- Green (73%)
- Blue (76%)



- Red (0%)
- Yellow (37%)
- Blue (76%)



- Cyan (99%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (27%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0193, 0.2212, 0.3160 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 39.0193, 0.2212, 0.3160 by changing the saturation by 10% instead.




 39.0193, 0.2212,  
0.3160


 39.0193, 0.2212,  
0.3160


341.9725, 0.2667,  
0.3242


 26.7747, 0.2101,  
0.3134


 73.6678, 0.2376,  
0.3194


 17.4041, 0.1960,  
0.3097


 96.8405, 0.2438,  
0.3205


 10.5230, 0.1776,  
0.3043


 124.4248, 0.2491,  
0.3215

 5.7471, 0.1529,  
0.2956

 156.8049, 0.2536,  
0.3222

 2.6919, 0.1187,  
0.2804

 194.3654, 0.2575,  
0.3228

 0.9731, 0.0157,  
0.2652

237.4906, 0.2610,

 0.0000, 0.0000,

0.3234

0.0000

286.5648, 0.2640,  
0.3238

■ 39.0193, 0.2212,  
0.3160

■ 39.0193, 0.2212,  
0.3160

■ 38.9901, 0.2211,  
0.3159

■ 39.5100, 0.2231,  
0.3174

■ 40.1503, 0.2264,  
0.3187

■ 40.9877, 0.2315,  
0.3201

■ 42.0478, 0.2386,  
0.3215

■ 43.3525, 0.2475,  
0.3229

■ 44.9209, 0.2582,  
0.3243

■ 46.7705, 0.2704,  
0.3256

■ 48.9169, 0.2839,  
0.3268

■ 51.3748, 0.2985,  
0.3280

# Harmonies

## Analogous

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



39.0193, 0.2553, 0.3742



39.0193, 0.2212, 0.3160



39.0193, 0.2103, 0.2691

# Triad

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



39.0193, 0.2212, 0.3160



39.0193, 0.3106, 0.2562



39.0193, 0.4069, 0.4125

# Complementary

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



39.0193, 0.2212, 0.3160



11.6777, 0.6362, 0.3322

# 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.



39.0193, 0.4267, 0.3736



39.0193, 0.2212, 0.3160



39.0193, 0.3687, 0.2877

# Square

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



39.0193, 0.2212, 0.3160



39.0193, 0.2581, 0.2403



39.0193, 0.4129, 0.3292



39.0193, 0.3622, 0.4328



# Rectangle

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



39.0193, 0.2212, 0.3160



39.0193, 0.2163, 0.2497



39.0193, 0.4129, 0.3292



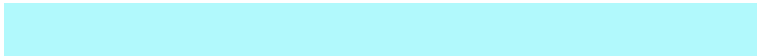
39.0193, 0.4169, 0.4008

# Sweetspot

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



39.0207, 0.2212, 0.3160



84.3042, 0.2690, 0.3254



38.6207, 0.2995, 0.5975



18.1378, 0.2636, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



39.0207, 0.2212, 0.3160



70.5207, 0.2210, 0.3157



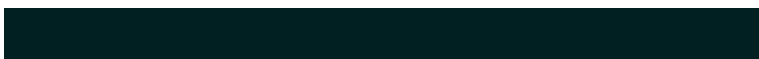
11.4253, 0.1744, 0.1474



11.3542, 0.2984, 0.3280



25.6578, 0.2211, 0.3161



1.1313, 0.2220, 0.3191



# Inverse Universe

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



15.0456, 0.3316, 0.1602



27.1863, 0.3318, 0.1602



21.3917, 0.5302, 0.4166



10.2400, 0.3144, 0.3072



9.8724, 0.3315, 0.1600

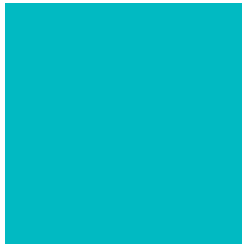


0.4288, 0.3289, 0.1586



# Previews

## White Background



This preview shows how the Yxy color 39.0193, 0.2212, 0.3160 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 39.0193, 0.2212, 0.3160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

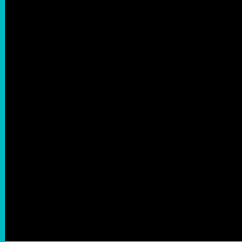
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

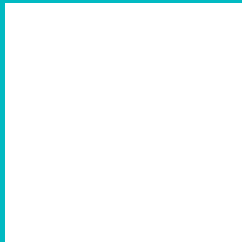
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.0193, 0.2212, 0.3160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.0193, 0.2212, 0.3160.



This preview shows how white text looks on a background with the Yxy color 39.0193, 0.2212, 0.3160.

# 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

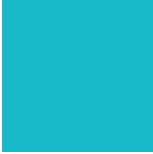
39.0193, 0.2212, 0.3160

### Protanopia

38.2458, 0.2992, 0.3067

### Deuteranopia

38.5334, 0.2866, 0.2807



## **Tritanopia**

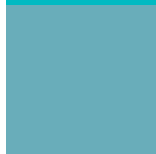
39.0622, 0.2201, 0.3054

# Trichromacy



## Original Color

39.0193, 0.2212, 0.3160



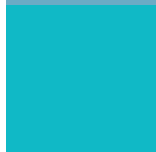
## Protanomaly

36.4356, 0.2511, 0.3088



## Deuteranomaly

36.2828, 0.2453, 0.2898



## Tritanomaly

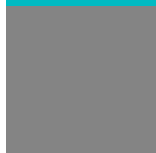
38.8853, 0.2201, 0.3083

# Monochromacy



## Original Color

39.0193, 0.2212, 0.3160



## Achromatopsia

23.0740, 0.3127, 0.3290



## Achromatomaly

26.7078, 0.2519, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0193, 0.2212, 0.3160 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, 186, 194)` looks like.

```
.text, #text, p{  
    color:rgb(1, 186, 194)  
}
```

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, 186, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 186, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0193, 0.2212, 0.3160 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, 186, 194) }
```

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

```
.border{ border-color:rgb(1, 186, 194) }
```

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

Here you see how a box with a 4 pixel rgb(1, 186, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 186, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 186, 194);  
box-shadow:4px 4px 4px 4px rgb(1, 186,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0193, 0.2212, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 186, 194) }
```

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

```
.background{ background-color: rgb(1, 186,  
194) }
```

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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