

# Converting Colors

$Y_{xy}(38.5774, 0.2398, 0.4203)$

Have a look what the booklet for  
Yxy(38.5774, 0.2398, 0.4203)  
contains.

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# Color

**Yxy(39.1551, 0.2495, 0.4181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BF8C
RGB	0, 191, 140
RGB Percent	0%, 75%, 55%
CMY	0.9989, 0.2510, 0.4511
CMYK	1.00, 0.00, 0.27, 0.25
HSL	164°, 100%, 38%
HSV	164°, 100%, 75%
XYZ	23.3657, 39.1551, 31.1293
YIQ	128.0770, -97.4650, -56.3530

# Conversions

## Conversions Part 2

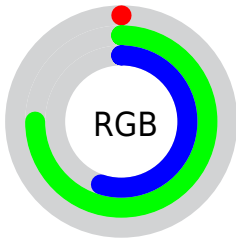
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 110, 191
Decimal	49036
CIELab	68.86, -52.57, 14.56
CIELCh	69, 54.550, 164.518
Yxy	39.1551, 0.2495, 0.4181
Android (android.graphics.Color)	4278239116 (0xFF00BF8C)
YUV	128.0770, 5.8780, -112.3235
Hunter-Lab	62.5740, -42.8511, 14.3063

# Details

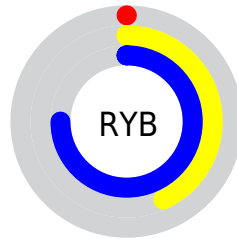
The Yxy color **39.1551, 0.2495, 0.4181** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.3243, 0.5875, 0.3011**, and the grayscale version is **21.6493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6265, 0.2618, 0.3987**, and **18.3465, 0.2557, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **39.1526, 0.2495, 0.4182**, and if you desaturate by 10%, it is **39.4514, 0.2486, 0.4082**.

# Distribution



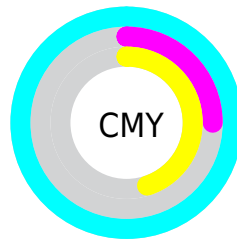
- Red (0%)
- Green (75%)
- Blue (55%)



- Red (0%)
- Yellow (43%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1551, 0.2495, 0.4181 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 39.1551, 0.2495, 0.4181 by changing the saturation by 10% instead.





 39.1551, 0.2495,  
0.4181


 39.1551, 0.2495,  
0.4181

342.5495, 0.2830,  
0.3699


 26.8804, 0.2405,  
0.4314


 73.8752, 0.2621,  
0.3996


 17.4834, 0.2286,  
0.4494

 97.0894, 0.2667,  
0.3930


 10.5798, 0.2122,  
0.4747


 124.7189, 0.2706,  
0.3875

 5.7850, 0.1882,  
0.5130

 157.1480, 0.2738,  
0.3828

 2.7148, 0.1492,  
0.5773

 194.7613, 0.2766,  
0.3789

 0.9847, 0.0000,  
0.9513

237.9430, 0.2790,

 0.0000, 0.0000,

0.3755

0.0000

287.0776, 0.2811,  
0.3725

■ 39.1551, 0.2495,  
0.4181

■ 39.1551, 0.2495,  
0.4181

■ 39.1526, 0.2495,  
0.4182

■ 39.4514, 0.2486,  
0.4082

■ 39.8917, 0.2492,  
0.3982

■ 40.5260, 0.2519,  
0.3882

■ 41.3793, 0.2564,  
0.3783

■ 42.4729, 0.2628,  
0.3687

■ 43.8254, 0.2707,  
0.3595

■ 45.4535, 0.2800,  
0.3509

■ 47.3727, 0.2903,  
0.3429

■ 49.5971, 0.3014,  
0.3356

# Harmonies

## Analogous

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



39.1551, 0.3229, 0.4732



39.1551, 0.2495, 0.4181



39.1551, 0.1972, 0.3312

# Triad

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



39.1551, 0.2495, 0.4181



39.1551, 0.2208, 0.2081



39.1551, 0.4722, 0.3669

# Complementary

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



39.1551, 0.2495, 0.4181



11.3243, 0.5875, 0.3011

# 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.



39.1551, 0.4402, 0.3091



39.1551, 0.2495, 0.4181



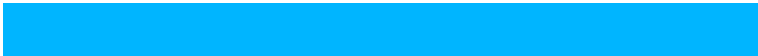
39.1551, 0.2853, 0.2228

# Square

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



39.1551, 0.2495, 0.4181



39.1551, 0.1839, 0.2185



39.1551, 0.3675, 0.2584



39.1551, 0.4538, 0.4246



# Rectangle

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



39.1551, 0.2495, 0.4181



39.1551, 0.1793, 0.2796



39.1551, 0.3675, 0.2584



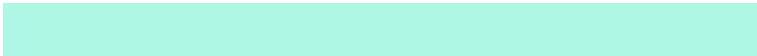
39.1551, 0.4673, 0.3472

# Sweetspot

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



39.1566, 0.2495, 0.4181



81.2102, 0.2794, 0.3514



38.0557, 0.3126, 0.5899



17.5490, 0.2753, 0.3551



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



39.1566, 0.2495, 0.4181



70.0794, 0.2499, 0.4198



25.4737, 0.2049, 0.2576



10.7648, 0.3019, 0.3352



25.7443, 0.2491, 0.4169



1.0187, 0.2426, 0.3932



# Inverse Universe

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



11.3243, 0.5875, 0.3011



20.2332, 0.5917, 0.3033



12.7051, 0.6145, 0.3501



9.5772, 0.3247, 0.3229



7.4485, 0.5845, 0.2994

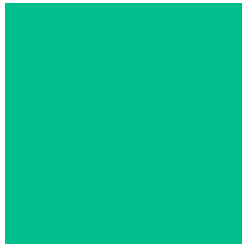


0.3031, 0.5141, 0.2606



# Previews

## White Background



This preview shows how the Yxy color 39.1551, 0.2495, 0.4181 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 39.1551, 0.2495, 0.4181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

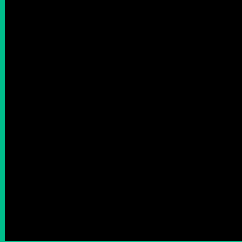
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1551, 0.2495, 0.4181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1551, 0.2495, 0.4181.

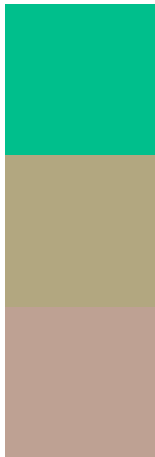


This preview shows how white text looks on a background with the Yxy color 39.1551, 0.2495, 0.4181.

# 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

39.1551, 0.2495, 0.4181

### Protanopia

38.6609, 0.3582, 0.3838

### Deuteranopia

38.5435, 0.3543, 0.3480



## Tritanopia

38.9683, 0.2283, 0.3056

# Trichromacy



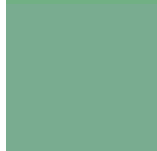
## Original Color

39.1551, 0.2495, 0.4181



## Protanomaly

36.2273, 0.2939, 0.4018



## Deuteranomaly

35.5836, 0.2911, 0.3744



## Tritanomaly

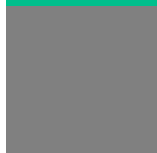
38.7433, 0.2338, 0.3435

# Monochromacy



## Original Color

39.1551, 0.2495, 0.4181



## Achromatopsia

21.5861, 0.3127, 0.3290



## Achromatomaly

25.5930, 0.2670, 0.3652

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1551, 0.2495, 0.4181 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, 191, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 140)  
}
```

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, 191, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1551, 0.2495, 0.4181 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, 191, 140) }
```

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

```
.border{ border-color:rgb(0, 191, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1551, 0.2495, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 140) }
```

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

```
.background{ background-color: rgb(0, 191,  
140) }
```

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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