

# Converting Colors

$Y_{xy}(51.0288, 0.1929, 0.3918)$

Have a look what the booklet for  
Yxy(51.0288, 0.1929, 0.3918)  
contains.

<b>Yxy(56.2360, 0.2406, 0.3862)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.2360, 0.2406, 0.3862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DFB8
RGB	0, 223, 184
RGB Percent	0%, 87%, 72%
CMY	1.0000, 0.1255, 0.2785
CMYK	1.00, 0.00, 0.18, 0.13
HSL	169°, 100%, 44%
HSV	169°, 100%, 87%
XYZ	35.0346, 56.2360, 54.3430
YIQ	151.8770, -120.3890, -59.4050

# Conversions

## Conversions Part 2

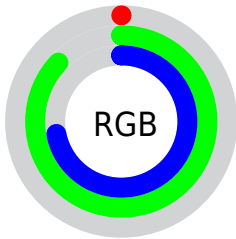
Format	Color
<a href="#">RYB</a>	<a href="#">0, 122, 223</a>
Decimal	<a href="#">57272</a>
CIELab	<a href="#">79.75, -54.21, 6.44</a>
CIELCh	<a href="#">80, 54.587, 173.226</a>
Yxy	<a href="#">56.2360, 0.2406, 0.3862</a>
Android (android.graphics.Color)	<a href="#">4278247352 (0xFF00DFB8)</a>
YUV	<a href="#">151.8770, 15.8366, -133.1961</a>
Hunter-Lab	<a href="#">74.9907, -47.8408, 9.5281</a>

# Details

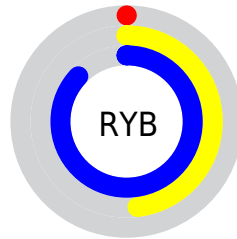
The Yxy color **56.2360, 0.2406, 0.3862** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.8361, 0.6161, 0.3168**, and the grayscale version is **31.3140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9994, 0.2468, 0.3466**, and **29.2761, 0.2442, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **56.2399, 0.2406, 0.3862**, and if you desaturate by 10%, it is **56.5798, 0.2403, 0.3799**.

# Distribution



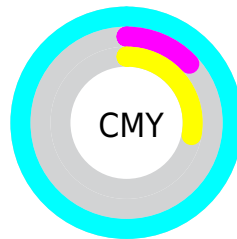
- Red (0%)
- Green (87%)
- Blue (72%)



- Red (0%)
- Yellow (48%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2360, 0.2406, 0.3862 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 56.2360, 0.2406, 0.3862 by changing the saturation by 10% instead.




 56.2360, 0.2406,  
0.3862

 56.2360, 0.2406,  
0.3862


410.5803, 0.2756,  
0.3578


 40.3922, 0.2322,  
0.3932

 99.3495, 0.2531,  
0.3760

 27.8444, 0.2217,  
0.4021


 127.3881, 0.2578,  
0.3721

 18.2084, 0.2081,  
0.4138


 160.2603, 0.2619,  
0.3688

 11.0997, 0.1898,  
0.4300

 198.3505, 0.2654,  
0.3660

 6.1340, 0.1643,  
0.4534

 242.0433, 0.2684,  
0.3635

 2.9267, 0.1264,  
0.4902

291.7229, 0.2711,


 1.0936, 0.0000,

0.3614


0.6014

347.7738, 0.2735,  
0.3595


 0.0000, 0.0000,  
0.0000


 56.2360, 0.2406,  
0.3862


 56.2360, 0.2406,  
0.3862

 56.2399, 0.2406,  
0.3862

 56.5798, 0.2403,  
0.3799

 57.1252, 0.2416,  
0.3736

 57.9413, 0.2449,  
0.3673

 59.0650, 0.2500,  
0.3610

 60.5278, 0.2571,  
0.3549

■ 62.3569, 0.2659,  
0.3490

■ 64.5768, 0.2761,  
0.3434

■ 67.2100, 0.2875,  
0.3382

■ 70.2772, 0.2998,  
0.3334

# Harmonies

## Analogous

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



56.2360, 0.3031, 0.4462



56.2360, 0.2406, 0.3862



56.2360, 0.2003, 0.3108

# Triad

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



56.2360, 0.2406, 0.3862



56.2360, 0.2449, 0.2212



56.2360, 0.4547, 0.3806

# Complementary

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



56.2360, 0.2406, 0.3862



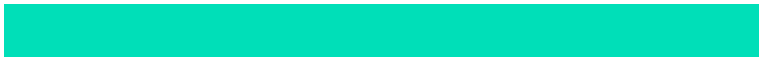
15.8361, 0.6161, 0.3168

# 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.



56.2360, 0.4386, 0.3271



56.2360, 0.2406, 0.3862



56.2360, 0.3092, 0.2405

# Square

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



56.2360, 0.2406, 0.3862



56.2360, 0.2033, 0.2243



56.2360, 0.3826, 0.2780



56.2360, 0.4281, 0.4300

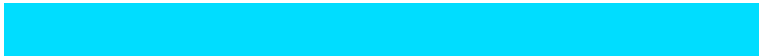


# Rectangle

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



56.2360, 0.2406, 0.3862



56.2360, 0.1890, 0.2695



56.2360, 0.3826, 0.2780



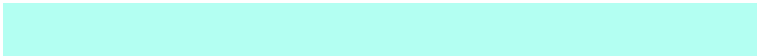
56.2360, 0.4544, 0.3628

# Sweetspot

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



56.2399, 0.2406, 0.3862



87.4317, 0.2758, 0.3435



53.2491, 0.3054, 0.5957



18.4273, 0.2713, 0.3459



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.



56.2399, 0.2406, 0.3862



76.1917, 0.2407, 0.3867



27.9113, 0.1947, 0.2208



15.5290, 0.3005, 0.3331



33.0802, 0.2404, 0.3852



2.3039, 0.2377, 0.3756



# Inverse Universe

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



15.8361, 0.6161, 0.3168



21.4466, 0.6175, 0.3175



20.1476, 0.5941, 0.3665



13.7395, 0.3265, 0.3249



9.3221, 0.6131, 0.3151

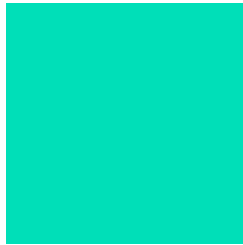


0.6580, 0.5725, 0.2928



# Previews

## White Background



This preview shows how the Yxy color 56.2360, 0.2406, 0.3862 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 56.2360, 0.2406, 0.3862 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

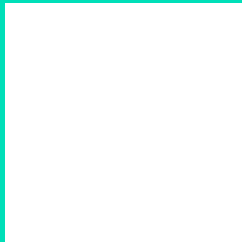
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.2360, 0.2406, 0.3862**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.2360, 0.2406, 0.3862.



This preview shows how white text looks on a background with the Yxy color 56.2360, 0.2406, 0.3862.

# 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

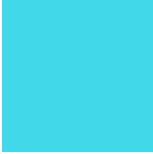
56.2360, 0.2406, 0.3862

### Protanopia

55.0543, 0.3409, 0.3594

### Deuteranopia

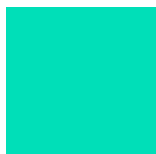
55.3402, 0.3344, 0.3279



## **Tritanopia**

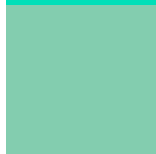
56.1761, 0.2257, 0.3049

# Trichromacy



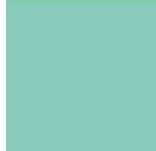
## Original Color

56.2360, 0.2406, 0.3862



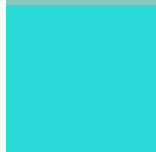
## Protanomaly

51.5831, 0.2801, 0.3712



## Deuteranomaly

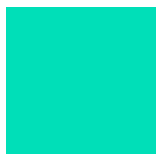
51.2752, 0.2762, 0.3481



## Tritanomaly

56.0923, 0.2293, 0.3329

# Monochromacy



## Original Color

56.2360, 0.2406, 0.3862



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

37.0625, 0.2613, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.2360, 0.2406, 0.3862 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, 223, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 184)  
}
```

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, 223, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 56.2360, 0.2406, 0.3862 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, 223, 184) }
```

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

```
.border{ border-color:rgb(0, 223, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 223, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.2360, 0.2406, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 184) }
```

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

```
.background{ background-color: rgb(0, 223,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor