

Converting Colors

$Yxy(56.9074, 0.2389, 0.3801)$

Have a look what the booklet for
Yxy(56.9074, 0.2389, 0.3801)
contains.

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Color

Yxy(56.9854, 0.2388, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	00E0BD
RGB	0, 224, 189
RGB Percent	0%, 88%, 74%
CMY	1.0000, 0.1215, 0.2588
CMYK	1.00, 0.00, 0.16, 0.12
HSL	171°, 100%, 44%
HSV	171°, 100%, 88%
XYZ	35.8391, 56.9854, 57.2555
YIQ	153.0340, -122.2690, -58.3730

Conversions

Conversions Part 2

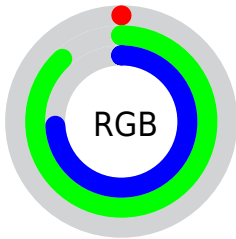
Format	Color
RYB	0, 121, 224
Decimal	57533
CIELab	80.17, -53.31, 4.38
CIELCh	80, 53.488, 175.299
Yxy	56.9854, 0.2388, 0.3797
Android (android.graphics.Color)	4278247613 (0xFF00E0BD)
YUV	153.0340, 17.7312, -134.2108
Hunter-Lab	75.4887, -47.3602, 7.8727

Details

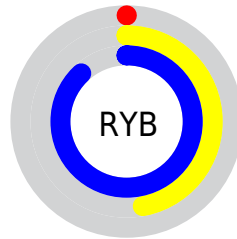
The Yxy color **56.9854, 0.2388, 0.3797** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.9696, 0.6203, 0.3191**, and the grayscale version is **31.8336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3638, 0.2451, 0.3406**, and **29.7828, 0.2418, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **56.9887, 0.2388, 0.3797**, and if you desaturate by 10%, it is **57.3177, 0.2387, 0.3742**.

Distribution



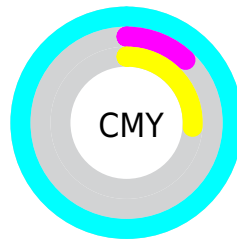
- Red (0%)
- Green (88%)
- Blue (74%)



- Red (0%)
- Yellow (47%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9854, 0.2388, 0.3797 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 56.9854, 0.2388, 0.3797 by changing the saturation by 10% instead.


 56.9854, 0.2388,
0.3797

 56.9854, 0.2388,
0.3797


413.3946, 0.2744,
0.3548

 40.9935, 0.2303,
0.3857

 100.4439, 0.2514,
0.3708

 28.3140, 0.2197,
0.3934


 128.6793, 0.2563,
0.3674


 18.5625, 0.2061,
0.4034


 161.7646, 0.2604,
0.3645

 11.3546, 0.1879,
0.4170

 200.0843, 0.2640,
0.3621

 6.3059, 0.1628,
0.4364

 244.0228, 0.2671,
0.3599

 3.0319, 0.1262,
0.4660

293.9644, 0.2698,

 1.1484, 0.0000,

0.3580

0.5553

350.2935, 0.2722,
0.3563

■ 0.0190, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9854, 0.2388,
0.3797

■ 56.9854, 0.2388,
0.3797

■ 56.9887, 0.2388,
0.3797

■ 57.3177, 0.2387,
0.3742

■ 57.8535, 0.2402,
0.3686

■ 58.6619, 0.2435,
0.3630

■ 59.7802, 0.2488,
0.3574

■ 61.2402, 0.2560,
0.3520

■ 63.0694, 0.2650,
0.3468

■ 65.2926, 0.2754,
0.3418

■ 67.9326, 0.2870,
0.3372

■ 71.0101, 0.2995,
0.3329

Harmonies

Analogous

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



56.9854, 0.2989, 0.4403



56.9854, 0.2388, 0.3797



56.9854, 0.2010, 0.3068

Triad

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



56.9854, 0.2388, 0.3797



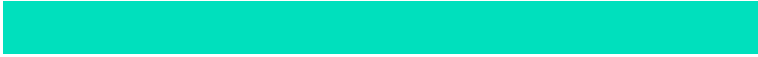
56.9854, 0.2502, 0.2241



56.9854, 0.4509, 0.3835

Complementary

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



56.9854, 0.2388, 0.3797



15.9696, 0.6203, 0.3191

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.



56.9854, 0.4380, 0.3310



56.9854, 0.2388, 0.3797



56.9854, 0.3143, 0.2444

Square

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



56.9854, 0.2388, 0.3797



56.9854, 0.2077, 0.2256



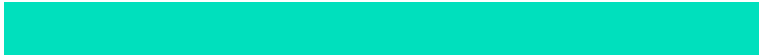
56.9854, 0.3856, 0.2822



56.9854, 0.4226, 0.4308

Rectangle

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



56.9854, 0.2388, 0.3797



56.9854, 0.1912, 0.2676



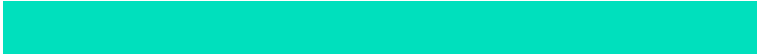
56.9854, 0.3856, 0.2822



56.9854, 0.4515, 0.3660

Sweetspot

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



56.9887, 0.2388, 0.3797



87.5181, 0.2751, 0.3419



53.7140, 0.3046, 0.5964



18.4482, 0.2706, 0.3440



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.



56.9887, 0.2388, 0.3797



76.4343, 0.2389, 0.3801



26.9839, 0.1930, 0.2147



15.5336, 0.3003, 0.3327



33.1837, 0.2386, 0.3788



2.3102, 0.2362, 0.3703

Inverse Universe

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



15.9696, 0.6203, 0.3191



21.4121, 0.6215, 0.3197



20.8355, 0.5899, 0.3698



13.7353, 0.3268, 0.3254



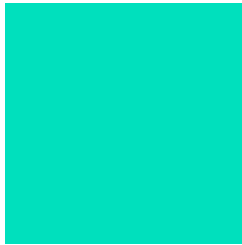
9.3057, 0.6174, 0.3175



0.6560, 0.5789, 0.2963

Previews

White Background



This preview shows how the Yxy color 56.9854, 0.2388, 0.3797 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 56.9854, 0.2388, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

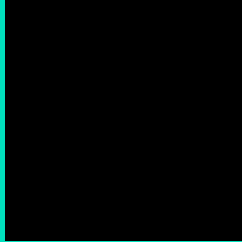
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9854, 0.2388, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 56.9854, 0.2388, 0.3797.



This preview shows how white text looks on a background with the Yxy color 56.9854, 0.2388, 0.3797.

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

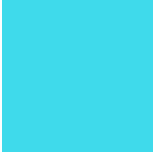
56.9854, 0.2388, 0.3797

Protanopia

56.1103, 0.3374, 0.3568

Deuteranopia

55.8461, 0.3294, 0.3233



Tritanopia

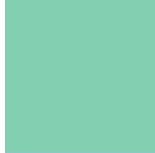
57.1977, 0.2255, 0.3063

Trichromacy



Original Color

56.9854, 0.2388, 0.3797



Protanomaly

52.7056, 0.2779, 0.3680



Deuteranomaly

51.8805, 0.2727, 0.3425



Tritanomaly

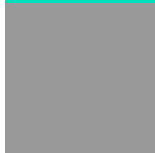
56.6995, 0.2287, 0.3315

Monochromacy



Original Color

56.9854, 0.2388, 0.3797



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.5348, 0.2603, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9854, 0.2388, 0.3797 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, 224, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 189)  
}
```

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, 224, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 189) }
```

Border

The CSS property to change the border of an element to Yxy 56.9854, 0.2388, 0.3797 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, 224, 189) }
```

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

```
.border{ border-color:rgb(0, 224, 189) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9854, 0.2388, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 189) }
```

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

```
.background{ background-color: rgb(0, 224,  
189) }
```

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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