

Converting Colors

$Yxy(56.5543, 0.2374, 0.3747)$

Have a look what the booklet for
Yxy(56.5543, 0.2374, 0.3747)
contains.

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Color

Yxy(56.5369, 0.2376, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	00DFBF
RGB	0, 223, 191
RGB Percent	0%, 87%, 75%
CMY	0.9991, 0.1255, 0.2510
CMYK	1.00, 0.00, 0.14, 0.13
HSL	171°, 100%, 44%
HSV	171°, 100%, 87%
XYZ	35.7931, 56.5369, 58.3145
YIQ	152.6750, -122.6360, -57.2280

Conversions

Conversions Part 2

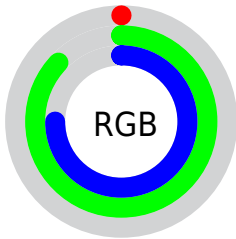
Format	Color
RYB	0, 120, 223
Decimal	57279
CIELab	79.92, -52.37, 2.96
CIELCh	80, 52.456, 176.767
Yxy	56.5369, 0.2376, 0.3753
Android (android.graphics.Color)	4278247359 (0xFF00DFBF)
YUV	152.6750, 18.8942, -133.8960
Hunter-Lab	75.1910, -46.6130, 6.6513

Details

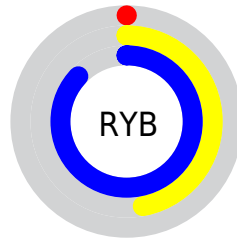
The Yxy color **56.5369, 0.2376, 0.3753** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.7989, 0.6225, 0.3204**, and the grayscale version is **31.6952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4866, 0.2442, 0.3382**, and **29.4724, 0.2402, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **56.5361, 0.2376, 0.3754**, and if you desaturate by 10%, it is **56.8569, 0.2376, 0.3703**.

Distribution



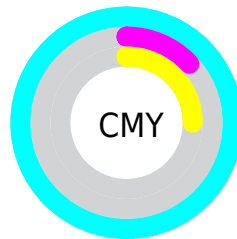
- Red (0%)
- Green (87%)
- Blue (75%)



- Red (0%)
- Yellow (47%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5369, 0.2376, 0.3753 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 56.5369, 0.2376, 0.3753 by changing the saturation by 10% instead.


 56.5369, 0.2376,
0.3753


 56.5369, 0.2376,
0.3753

411.7117, 0.2737,
0.3527


 40.6336, 0.2290,
0.3807


 99.7891, 0.2504,
0.3672

 28.0329, 0.2183,
0.3876


 127.9068, 0.2553,
0.3642


 18.3504, 0.2045,
0.3965

 160.8648, 0.2595,
0.3616

 11.2019, 0.1862,
0.4086

 199.0473, 0.2631,
0.3593

 6.2028, 0.1609,
0.4257

 242.8389, 0.2663,
0.3573

 2.9688, 0.1243,
0.4514


292.6239, 0.2691,


 1.1155, 0.0000,


0.3556


0.5301


348.7867, 0.2715,
0.3541

 0.0000, 0.0000,
0.0000

 56.5369, 0.2376,
0.3753


 56.5369, 0.2376,
0.3753

 56.5361, 0.2376,
0.3754

 56.8569, 0.2376,
0.3703

 57.3800, 0.2392,
0.3652

 58.1728, 0.2427,
0.3601

 59.2722, 0.2481,
0.3550

 60.7093, 0.2554,
0.3500

■ 62.5114, 0.2645,
0.3453

■ 64.7032, 0.2750,
0.3407

■ 67.3068, 0.2868,
0.3365

■ 70.3431, 0.2995,
0.3325

Harmonies

Analogous

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



56.5369, 0.2961, 0.4361



56.5369, 0.2376, 0.3753



56.5369, 0.2015, 0.3041

Triad

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



56.5369, 0.2376, 0.3753



56.5369, 0.2538, 0.2261



56.5369, 0.4482, 0.3854

Complementary

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



56.5369, 0.2376, 0.3753



15.7989, 0.6225, 0.3204

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.



56.5369, 0.4376, 0.3337



56.5369, 0.2376, 0.3753



56.5369, 0.3178, 0.2471

Square

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



56.5369, 0.2376, 0.3753



56.5369, 0.2107, 0.2265



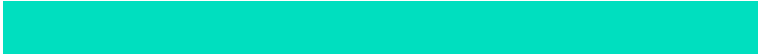
56.5369, 0.3875, 0.2851



56.5369, 0.4188, 0.4313

Rectangle

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



56.5369, 0.2376, 0.3753



56.5369, 0.1927, 0.2663



56.5369, 0.3875, 0.2851



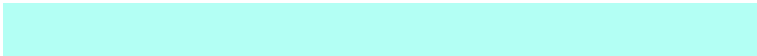
56.5369, 0.4494, 0.3683

Sweetspot

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



56.5391, 0.2376, 0.3753



87.5765, 0.2747, 0.3409



53.1107, 0.3039, 0.5969



18.4623, 0.2700, 0.3428



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.



56.5391, 0.2376, 0.3753



76.6012, 0.2377, 0.3757



25.5902, 0.1914, 0.2088



15.5367, 0.3001, 0.3324



33.2548, 0.2374, 0.3746



2.3144, 0.2352, 0.3668

Inverse Universe

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



15.7989, 0.6225, 0.3204



21.3913, 0.6240, 0.3211



21.1664, 0.5852, 0.3734



13.7325, 0.3270, 0.3257



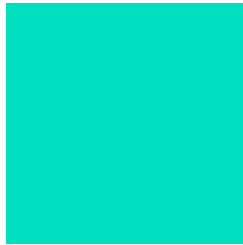
9.2957, 0.6201, 0.3190



0.6546, 0.5832, 0.2987

Previews

White Background



This preview shows how the Yxy color 56.5369, 0.2376, 0.3753 looks on a white background.

Color Contrast Check

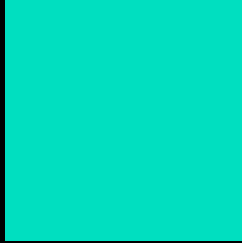
Large Text (above 18pt) WCAG AA × Fail

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 56.5369, 0.2376, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

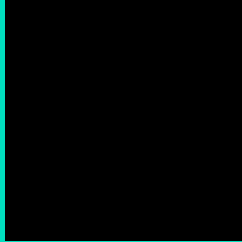
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

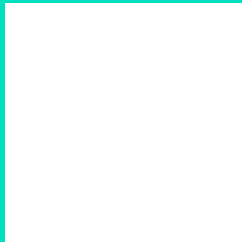
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5369, 0.2376, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 56.5369, 0.2376, 0.3753.

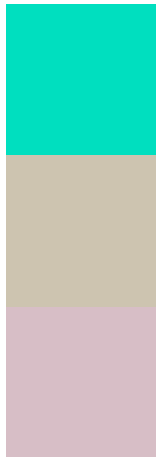


This preview shows how white text looks on a background with the Yxy color 56.5369, 0.2376, 0.3753.

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

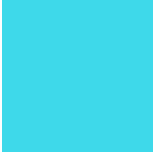
56.5369, 0.2376, 0.3753

Protanopia

55.5936, 0.3352, 0.3533

Deuteranopia

55.3512, 0.3271, 0.3198



Tritanopia

56.5904, 0.2254, 0.3062

Trichromacy



Original Color

56.5369, 0.2376, 0.3753



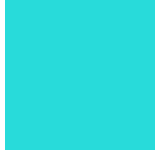
Protanomaly

52.3041, 0.2766, 0.3637



Deuteranomaly

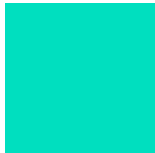
51.4996, 0.2713, 0.3384



Tritanomaly

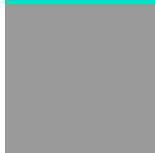
56.1761, 0.2284, 0.3301

Monochromacy



Original Color

56.5369, 0.2376, 0.3753



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.1722, 0.2594, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5369, 0.2376, 0.3753 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 191) }
```

Border

The CSS property to change the border of an element to Yxy 56.5369, 0.2376, 0.3753 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, 191) }
```

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

```
.border{ border-color:rgb(0, 223, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5369, 0.2376, 0.3753 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, 191) }
```

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

```
.background{ background-color: rgb(0, 223,  
191) }
```

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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