

Converting Colors

$Y_{xy}(56.8245, 0.2309, 0.3842)$

Have a look what the booklet for
Yxy(56.8245, 0.2309, 0.3842)
contains.

Yxy(58.0236, 0.2400, 0.3839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.0236, 0.2400, 0.3839)

Conversions

Conversions Part 1

Format	Color
Hex	00E2BC
RGB	0, 226, 188
RGB Percent	0%, 89%, 74%
CMY	0.9983, 0.1137, 0.2629
CMYK	1.00, 0.00, 0.17, 0.11
HSL	170°, 100%, 44%
HSV	170°, 100%, 89%
XYZ	36.2742, 58.0236, 56.8447
YIQ	154.0940, -122.4980, -59.7300

Conversions

Conversions Part 2

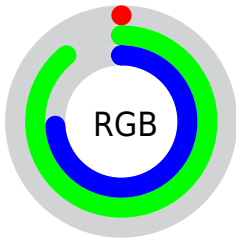
Format	Color
RYB	0, 123, 226
Decimal	58044
CIELab	80.75, -54.35, 5.77
CIELCh	81, 54.660, 173.939
Yxy	58.0236, 0.2400, 0.3839
Android (android.graphics.Color)	4278248124 (0xFF00E2BC)
YUV	154.0940, 16.7157, -135.1404
Hunter-Lab	76.1732, -48.3003, 9.0758

Details

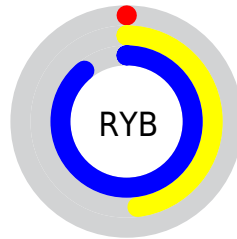
The Yxy color **58.0236, 0.2400, 0.3839** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.3217, 0.6172, 0.3175**, and the grayscale version is **32.3840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3029, 0.2455, 0.3417**, and **30.1252, 0.2428, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **58.0197, 0.2400, 0.3840**, and if you desaturate by 10%, it is **58.3722, 0.2398, 0.3779**.

Distribution



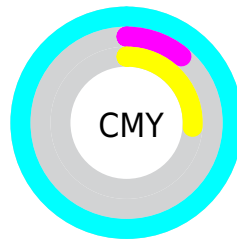
- Red (0%)
- Green (89%)
- Blue (74%)



- Red (0%)
- Yellow (48%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0236, 0.2400, 0.3839 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 58.0236, 0.2400, 0.3839 by changing the saturation by 10% instead.

 58.0236, 0.2400,
0.3839


 58.0236, 0.2400,
0.3839


417.2739, 0.2750,
0.3569


 41.8276, 0.2317,
0.3905


 101.9572, 0.2524,
0.3742

 28.9663, 0.2213,
0.3988


 130.4637, 0.2572,
0.3705

 19.0554, 0.2078,
0.4098


 163.8424, 0.2612,
0.3674

 11.7103, 0.1899,
0.4247

 202.4778, 0.2647,
0.3647

 6.5467, 0.1651,
0.4461

 246.7542, 0.2678,
0.3624

 3.1803, 0.1291,
0.4792

297.0561, 0.2705,

 1.2266, 0.0000,

0.3603

0.5788

353.7679, 0.2729,
0.3585

■ 0.0832, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0236, 0.2400,
0.3839

■ 58.0236, 0.2400,
0.3839

■ 58.0197, 0.2400,
0.3840

■ 58.3722, 0.2398,
0.3779

■ 58.9330, 0.2412,
0.3718

■ 59.7735, 0.2445,
0.3657

■ 60.9317, 0.2497,
0.3597

■ 62.4400, 0.2569,
0.3538

■ 64.3265, 0.2657,
0.3481

■ 66.6164, 0.2760,
0.3428

■ 69.3330, 0.2875,
0.3378

■ 72.4975, 0.3000,
0.3331

Harmonies

Analogous

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



58.0236, 0.3016, 0.4441



58.0236, 0.2400, 0.3839



58.0236, 0.2006, 0.3094

Triad

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



58.0236, 0.2400, 0.3839



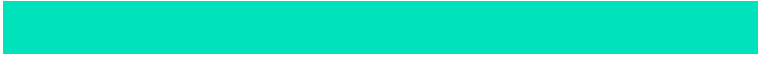
58.0236, 0.2468, 0.2222



58.0236, 0.4533, 0.3816

Complementary

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



58.0236, 0.2400, 0.3839



16.3217, 0.6172, 0.3175

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.



58.0236, 0.4384, 0.3285



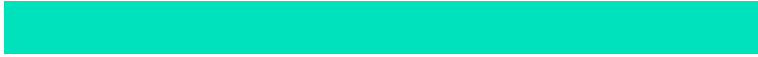
58.0236, 0.2400, 0.3839



58.0236, 0.3110, 0.2419

Square

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



58.0236, 0.2400, 0.3839



58.0236, 0.2049, 0.2248



58.0236, 0.3836, 0.2795



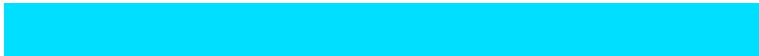
58.0236, 0.4262, 0.4303

Rectangle

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



58.0236, 0.2400, 0.3839



58.0236, 0.1898, 0.2689



58.0236, 0.3836, 0.2795



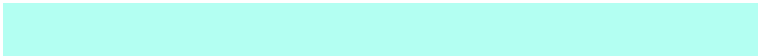
58.0236, 0.4533, 0.3639

Sweetspot

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



58.0258, 0.2400, 0.3839



87.4610, 0.2756, 0.3430



54.8825, 0.3054, 0.5956



18.4344, 0.2711, 0.3452



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.



58.0258, 0.2400, 0.3839



76.2734, 0.2401, 0.3844



28.7956, 0.1947, 0.2209



15.5306, 0.3004, 0.3330



33.1151, 0.2397, 0.3831



2.3060, 0.2372, 0.3738

Inverse Universe

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



16.3217, 0.6172, 0.3175



21.4344, 0.6189, 0.3183



20.7881, 0.5938, 0.3665



13.7381, 0.3266, 0.3251



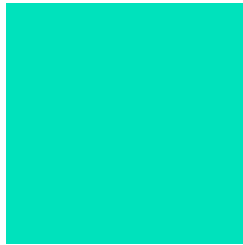
9.3163, 0.6146, 0.3159



0.6573, 0.5747, 0.2939

Previews

White Background



This preview shows how the Yxy color 58.0236, 0.2400, 0.3839 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 58.0236, 0.2400, 0.3839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

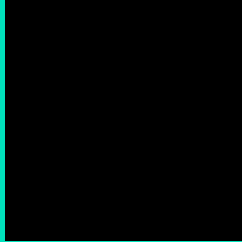
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

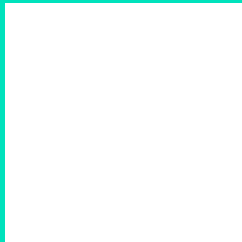
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0236, 0.2400, 0.3839

Background



This preview shows how black text looks on a background with the Yxy color 58.0236, 0.2400, 0.3839.



This preview shows how white text looks on a background with the Yxy color 58.0236, 0.2400, 0.3839.

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

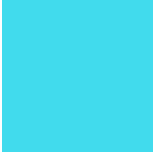
58.0236, 0.2400, 0.3839

Protanopia

56.8152, 0.3397, 0.3591

Deuteranopia

56.6995, 0.3326, 0.3256



Tritanopia

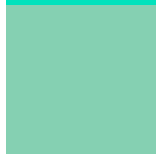
57.9013, 0.2256, 0.3052

Trichromacy



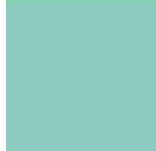
Original Color

58.0236, 0.2400, 0.3839



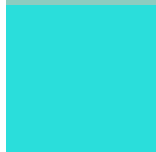
Protanomaly

53.3126, 0.2799, 0.3706



Deuteranomaly

52.5670, 0.2753, 0.3452



Tritanomaly

57.8493, 0.2294, 0.3329

Monochromacy



Original Color

58.0236, 0.2400, 0.3839



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.9924, 0.2611, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0236, 0.2400, 0.3839 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, 226, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 188)  
}
```

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, 226, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 188) }
```

Border

The CSS property to change the border of an element to Yxy 58.0236, 0.2400, 0.3839 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, 226, 188) }
```

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

```
.border{ border-color:rgb(0, 226, 188) }
```

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

Here you see how a box with a 4 pixel rgb(0, 226, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0236, 0.2400, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 188) }
```

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

```
.background{ background-color: rgb(0, 226,  
188) }
```

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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