

Converting Colors

$Y_{xy}(58.6439, 0.2393, 0.3815)$

Have a look what the booklet for
Yxy(58.6439, 0.2393, 0.3815)
contains.

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Color

Yxy(58.6559, 0.2395, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	00E3BE
RGB	0, 227, 190
RGB Percent	0%, 89%, 75%
CMY	0.9982, 0.1098, 0.2550
CMYK	1.00, 0.00, 0.16, 0.11
HSL	170°, 100%, 45%
HSV	170°, 100%, 89%
XYZ	36.7655, 58.6559, 58.0879
YIQ	154.9090, -123.4150, -59.6310

Conversions

Conversions Part 2

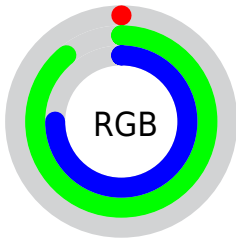
Format	Color
RYB	0, 124, 227
Decimal	58302
CIELab	81.10, -54.23, 5.21
CIELCh	81, 54.484, 174.513
Yxy	58.6559, 0.2395, 0.3821
Android (android.graphics.Color)	4278248382 (0xFF00E3BE)
YUV	154.9090, 17.2999, -135.8552
Hunter-Lab	76.5871, -48.3390, 8.6422

Details

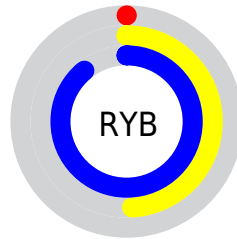
The Yxy color **58.6559, 0.2395, 0.3821** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.4773, 0.6184, 0.3182**, and the grayscale version is **32.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4888, 0.2450, 0.3394**, and **30.5556, 0.2421, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **58.6520, 0.2395, 0.3822**, and if you desaturate by 10%, it is **59.0035, 0.2393, 0.3763**.

Distribution



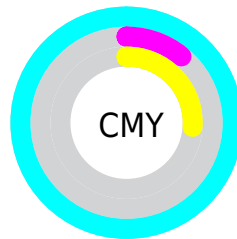
- Red (0%)
- Green (89%)
- Blue (75%)



- Red (0%)
- Yellow (49%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6559, 0.2395, 0.3821 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 58.6559, 0.2395, 0.3821 by changing the saturation by 10% instead.

 58.6559, 0.2395,
0.3821


 58.6559, 0.2395,
0.3821


419.6255, 0.2747,
0.3561


 42.3362, 0.2312,
0.3884


 102.8774, 0.2519,
0.3728

 29.3646, 0.2208,
0.3964


 131.5479, 0.2567,
0.3692


 19.3568, 0.2074,
0.4068


 165.1042, 0.2608,
0.3662

 11.9284, 0.1896,
0.4210

 203.9307, 0.2643,
0.3636

 6.6949, 0.1651,
0.4412

 248.4116, 0.2674,
0.3614

 3.2721, 0.1295,
0.4721

298.9315, 0.2701,

 1.2754, 0.0000,

0.3594

0.5670

355.8747, 0.2725,
0.3577

■ 0.1220, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6559, 0.2395,
0.3821

■ 58.6559, 0.2395,
0.3821

■ 58.6520, 0.2395,
0.3822

■ 59.0035, 0.2393,
0.3763

■ 59.5653, 0.2408,
0.3704

■ 60.4094, 0.2441,
0.3645

■ 61.5743, 0.2494,
0.3587

■ 63.0926, 0.2566,
0.3530

■ 64.9928, 0.2655,
0.3475

■ 67.3004, 0.2758,
0.3423

■ 70.0388, 0.2874,
0.3375

■ 73.2296, 0.2999,
0.3330

Harmonies

Analogous

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



58.6559, 0.3005, 0.4425



58.6559, 0.2395, 0.3821



58.6559, 0.2008, 0.3083

Triad

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



58.6559, 0.2395, 0.3821



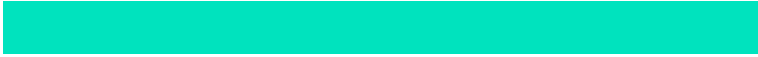
58.6559, 0.2482, 0.2230



58.6559, 0.4523, 0.3824

Complementary

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



58.6559, 0.2395, 0.3821



16.4773, 0.6184, 0.3182

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.



58.6559, 0.4382, 0.3296



58.6559, 0.2395, 0.3821



58.6559, 0.3124, 0.2430

Square

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



58.6559, 0.2395, 0.3821



58.6559, 0.2061, 0.2251



58.6559, 0.3844, 0.2806



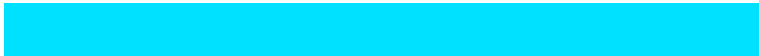
58.6559, 0.4247, 0.4305

Rectangle

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



58.6559, 0.2395, 0.3821



58.6559, 0.1904, 0.2683



58.6559, 0.3844, 0.2806



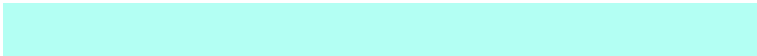
58.6559, 0.4525, 0.3648

Sweetspot

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



58.6582, 0.2395, 0.3821



87.4851, 0.2754, 0.3425



55.3554, 0.3046, 0.5962



18.4402, 0.2709, 0.3447



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.



58.6582, 0.2395, 0.3821



76.3410, 0.2396, 0.3826



27.8384, 0.1930, 0.2148



16.2938, 0.3003, 0.3329



34.2207, 0.2393, 0.3813



2.5396, 0.2369, 0.3728

Inverse Universe

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



16.4773, 0.6184, 0.3182



21.4248, 0.6200, 0.3189



21.4964, 0.5896, 0.3699



14.4062, 0.3267, 0.3252



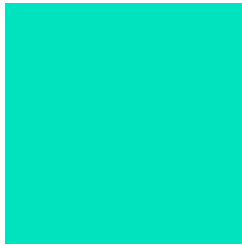
9.6138, 0.6160, 0.3167



0.7221, 0.5789, 0.2963

Previews

White Background



This preview shows how the Yxy color 58.6559, 0.2395, 0.3821 looks on a white background.

Color Contrast Check

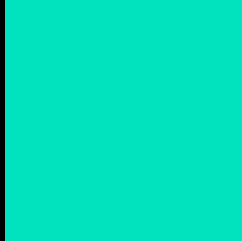
Large Text (above 18pt) WCAG AA × Fail

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 58.6559, 0.2395, 0.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

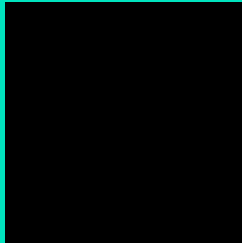
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

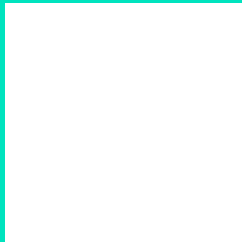
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6559, 0.2395, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 58.6559, 0.2395, 0.3821.



This preview shows how white text looks on a background with the Yxy color 58.6559, 0.2395, 0.3821.

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

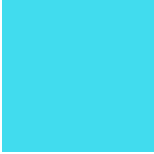
58.6559, 0.2395, 0.3821

Protanopia

57.4973, 0.3388, 0.3577

Deuteranopia

57.3868, 0.3317, 0.3245



Tritanopia

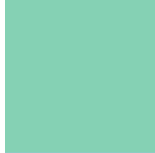
58.4833, 0.2255, 0.3053

Trichromacy



Original Color

58.6559, 0.2395, 0.3821



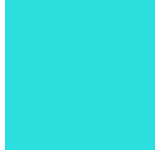
Protanomaly

53.8828, 0.2788, 0.3690



Deuteranomaly

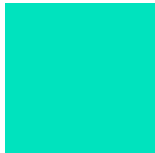
53.1331, 0.2742, 0.3437



Tritanomaly

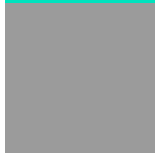
58.4881, 0.2289, 0.3315

Monochromacy



Original Color

58.6559, 0.2395, 0.3821



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.5275, 0.2607, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6559, 0.2395, 0.3821 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, 227, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 190)  
}
```

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, 227, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 190) }
```

Border

The CSS property to change the border of an element to Yxy 58.6559, 0.2395, 0.3821 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, 227, 190) }
```

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

```
.border{ border-color:rgb(0, 227, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6559, 0.2395, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 190) }
```

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

```
.background{ background-color: rgb(0, 227,  
190) }
```

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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