

Converting Colors

$Y_{xy}(59.0739, 0.2353, 0.3672)$

Have a look what the booklet for
Yxy(59.0739, 0.2353, 0.3672)
contains.

Yxy(59.1083, 0.2353, 0.3670)	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(59.1083, 0.2353, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	00E3C8
RGB	0, 227, 200
RGB Percent	0%, 89%, 78%
CMY	0.9986, 0.1098, 0.2157
CMYK	1.00, 0.00, 0.12, 0.11
HSL	173°, 100%, 45%
HSV	173°, 100%, 89%
XYZ	37.8970, 59.1083, 64.0528
YIQ	156.0490, -126.6250, -56.5210

Conversions

Conversions Part 2

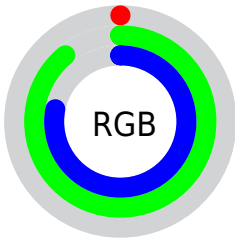
Format	Color
RYB	0, 121, 227
Decimal	58312
CIELab	81.35, -51.61, 0.27
CIELCh	81, 51.608, 179.704
Yxy	59.1083, 0.2353, 0.3670
Android (android.graphics.Color)	4278248392 (0xFF00E3C8)
YUV	156.0490, 21.6678, -136.8550
Hunter-Lab	76.8819, -46.5564, 4.4210

Details

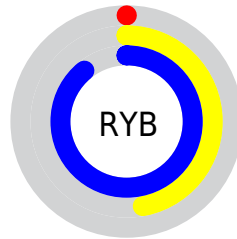
The Yxy color **59.1083, 0.2353, 0.3670** is a dark color, and the websafe version is hex **66FFCC**. The color can be described as middle washed cyan. A complement of this color would be **16.4195, 0.6270, 0.3229**, and the grayscale version is **33.2627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **31.2011, 0.2376, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **59.1062, 0.2353, 0.3671**, and if you desaturate by 10%, it is **59.4187, 0.2355, 0.3629**.

Distribution



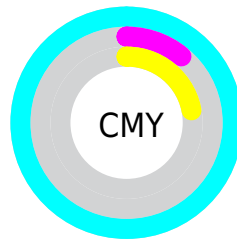
- Red (0%)
- Green (89%)
- Blue (78%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1083, 0.2353, 0.3670 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 59.1083, 0.2353, 0.3670 by changing the saturation by 10% instead.


 59.1083, 0.2353,
0.3670


 59.1083, 0.2353,
0.3670


421.3031, 0.2721,
0.3489

 42.7003, 0.2267,
0.3712


 103.5351, 0.2482,
0.3607


 29.6500, 0.2161,
0.3765


 132.3226, 0.2532,
0.3582

 19.5731, 0.2025,
0.3832


 166.0055, 0.2575,
0.3561

 12.0851, 0.1846,
0.3920

 204.9680, 0.2611,
0.3543

 6.8017, 0.1602,
0.4041

 249.5947, 0.2644,
0.3527

 3.3384, 0.1256,
0.4213

300.2698, 0.2672,

 1.3108, 0.0000,

0.3513

0.4830

357.3778, 0.2698,
0.3501

■ 0.1496, 0.0000,
0.5091

■ 0.0000, 0.0000,
0.0000

■ 59.1083, 0.2353,
0.3670

■ 59.1083, 0.2353,
0.3670

■ 59.1062, 0.2353,
0.3671

■ 59.4187, 0.2355,
0.3629

■ 59.9409, 0.2373,
0.3587

■ 60.7433, 0.2410,
0.3546

■ 61.8643, 0.2466,
0.3504

■ 63.3367, 0.2541,
0.3463

■ 65.1888, 0.2633,
0.3424

■ 67.4464, 0.2741,
0.3387

■ 70.1326, 0.2862,
0.3352

■ 73.2690, 0.2992,
0.3319

Harmonies

Analogous

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



59.1083, 0.2906, 0.4282



59.1083, 0.2353, 0.3670



59.1083, 0.2026, 0.2991

Triad

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



59.1083, 0.2353, 0.3670



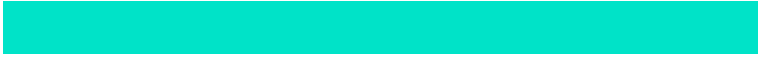
59.1083, 0.2609, 0.2299



59.1083, 0.4430, 0.3891

Complementary

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



59.1083, 0.2353, 0.3670



16.4195, 0.6270, 0.3229

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.



59.1083, 0.4366, 0.3388



59.1083, 0.2353, 0.3670



59.1083, 0.3245, 0.2522

Square

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



59.1083, 0.2353, 0.3670



59.1083, 0.2165, 0.2282



59.1083, 0.3913, 0.2907



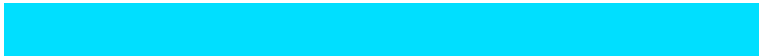
59.1083, 0.4115, 0.4322

Rectangle

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



59.1083, 0.2353, 0.3670



59.1083, 0.1956, 0.2639



59.1083, 0.3913, 0.2907



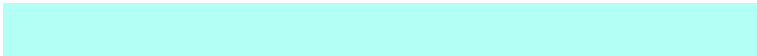
59.1083, 0.4455, 0.3726

Sweetspot

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



59.1106, 0.2353, 0.3670



87.6910, 0.2737, 0.3388



55.2238, 0.3032, 0.5974



18.4901, 0.2690, 0.3404



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.



59.1106, 0.2353, 0.3670



76.9355, 0.2354, 0.3673



25.4641, 0.1897, 0.2027



16.3053, 0.2997, 0.3318



34.4824, 0.2351, 0.3664



2.5565, 0.2334, 0.3604

Inverse Universe

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



16.4195, 0.6270, 0.3229



21.3557, 0.6282, 0.3234



22.5889, 0.5808, 0.3769



14.3958, 0.3274, 0.3262



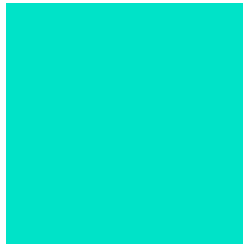
9.5794, 0.6250, 0.3216



0.7171, 0.5939, 0.3045

Previews

White Background



This preview shows how the Yxy color 59.1083, 0.2353, 0.3670 looks on a white background.

Color Contrast Check

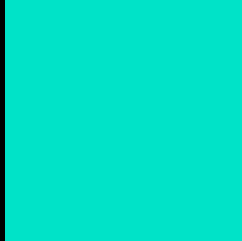
Large Text (above 18pt) WCAG AA × Fail

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 59.1083, 0.2353, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

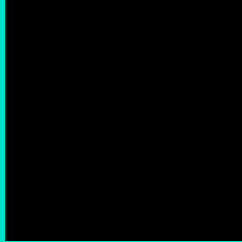
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

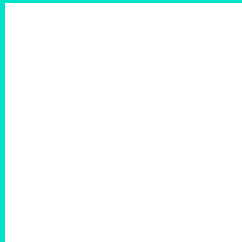
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1083, 0.2353, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 59.1083, 0.2353, 0.3670.

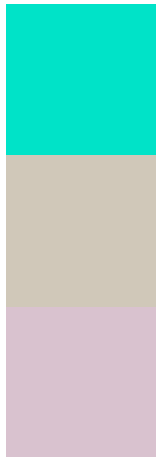


This preview shows how white text looks on a background with the Yxy color 59.1083, 0.2353, 0.3670.

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

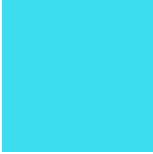
59.1083, 0.2353, 0.3670

Protanopia

58.2212, 0.3302, 0.3468

Deuteranopia

57.8403, 0.3214, 0.3142



Tritanopia

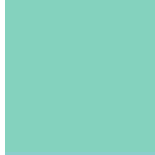
58.9056, 0.2244, 0.3053

Trichromacy



Original Color

59.1083, 0.2353, 0.3670



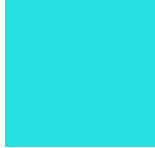
Protanomaly

54.7164, 0.2724, 0.3561



Deuteranomaly

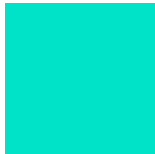
53.9055, 0.2672, 0.3315



Tritanomaly

58.6237, 0.2268, 0.3260

Monochromacy



Original Color

59.1083, 0.2353, 0.3670



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.0871, 0.2585, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1083, 0.2353, 0.3670 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 200) }
```

Border

The CSS property to change the border of an element to Yxy 59.1083, 0.2353, 0.3670 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, 200) }
```

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

```
.border{ border-color:rgb(0, 227, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1083, 0.2353, 0.3670 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, 200) }
```

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

```
.background{ background-color: rgb(0, 227,  
200) }
```

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