

Converting Colors

$Y_{xy}(58.8491, 0.2243, 0.3535)$

Have a look what the booklet for
Yxy(58.8491, 0.2243, 0.3535)
contains.

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Color

Yxy(59.5913, 0.2312, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	00E3D2
RGB	0, 227, 210
RGB Percent	0%, 89%, 82%
CMY	1.0000, 0.1098, 0.1765
CMYK	1.00, 0.00, 0.07, 0.11
HSL	176°, 100%, 45%
HSV	176°, 100%, 89%
XYZ	39.0962, 59.5913, 70.4138
YIQ	157.1890, -129.8350, -53.4110

Conversions

Conversions Part 2

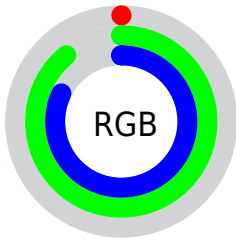
Format	Color
RYB	0, 118, 227
Decimal	58322
CIELab	81.62, -48.91, -4.65
CIELCh	82, 49.126, 185.432
Yxy	59.5913, 0.2312, 0.3524
Android (android.graphics.Color)	4278248402 (0xFF00E3D2)
YUV	157.1890, 26.0358, -137.8548
Hunter-Lab	77.1954, -44.6892, -0.0446

Details

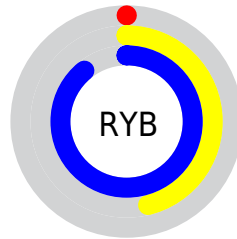
The Yxy color **59.5913, 0.2312, 0.3524** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.3731, 0.6335, 0.3263**, and the grayscale version is **33.7335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **31.5261, 0.2322, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **59.5971, 0.2312, 0.3524**, and if you desaturate by 10%, it is **59.8610, 0.2318, 0.3499**.

Distribution



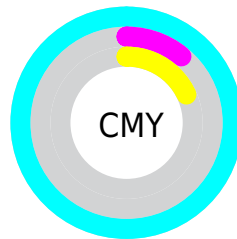
- Red (0%)
- Green (89%)
- Blue (82%)



- Red (0%)
- Yellow (46%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5913, 0.2312, 0.3524 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 59.5913, 0.2312, 0.3524 by changing the saturation by 10% instead.


 59.5913, 0.2312,
0.3524


 59.5913, 0.2312,
0.3524

423.0897, 0.2695,
0.3419


 43.0893, 0.2224,
0.3547


 104.2366, 0.2446,
0.3489

 29.9552, 0.2114,
0.3574


 133.1486, 0.2498,
0.3474

 19.8046, 0.1976,
0.3607


 166.9661, 0.2542,
0.3462

 12.2531, 0.1796,
0.3648

 206.0735, 0.2581,
0.3451

 6.9163, 0.1553,
0.3697

 250.8552, 0.2615,
0.3442

 3.4098, 0.1215,
0.3754

301.6955, 0.2645,

 1.3492, 0.0085,

0.3434

0.4063

358.9789, 0.2671,
0.3426

■ 0.1788, 0.0000,
0.2560

■ 0.0000, 0.0000,
0.0000

■ 59.5913, 0.2312,
0.3524

■ 59.5913, 0.2312,
0.3524

■ 59.5971, 0.2312,
0.3524

■ 59.8610, 0.2318,
0.3499

■ 60.3356, 0.2339,
0.3474

■ 61.0882, 0.2379,
0.3448

■ 62.1578, 0.2438,
0.3423

■ 63.5767, 0.2516,
0.3398

■ 65.3738, 0.2611,
0.3374

■ 67.5744, 0.2723,
0.3350

■ 70.2020, 0.2848,
0.3329

■ 73.2783, 0.2984,
0.3308

Harmonies

Analogous

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



59.5913, 0.2808, 0.4137



59.5913, 0.2312, 0.3524



59.5913, 0.2044, 0.2903

Triad

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



59.5913, 0.2312, 0.3524



59.5913, 0.2740, 0.2369



59.5913, 0.4336, 0.3957

Complementary

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



59.5913, 0.2312, 0.3524



16.3731, 0.6335, 0.3263

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.



59.5913, 0.4346, 0.3481



59.5913, 0.2312, 0.3524



59.5913, 0.3366, 0.2617

Square

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



59.5913, 0.2312, 0.3524



59.5913, 0.2272, 0.2313



59.5913, 0.3978, 0.3009



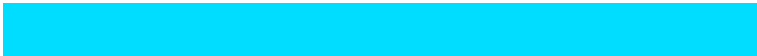
59.5913, 0.3983, 0.4333

Rectangle

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



59.5913, 0.2312, 0.3524



59.5913, 0.2009, 0.2596



59.5913, 0.3978, 0.3009



59.5913, 0.4382, 0.3803

Sweetspot

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



59.5971, 0.2312, 0.3524



87.9005, 0.2721, 0.3351



55.0816, 0.3015, 0.5988



18.5410, 0.2672, 0.3361



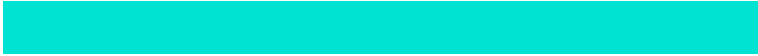
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.5971, 0.2312, 0.3524



77.5699, 0.2313, 0.3526



22.1641, 0.1846, 0.1845



16.3168, 0.2992, 0.3307



34.7613, 0.2311, 0.3520



2.5743, 0.2301, 0.3483

Inverse Universe

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



16.3731, 0.6335, 0.3263



21.3074, 0.6341, 0.3267



24.4430, 0.5671, 0.3879



14.3854, 0.3281, 0.3273



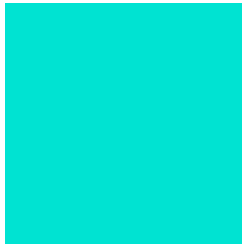
9.5543, 0.6317, 0.3254



0.7122, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 59.5913, 0.2312, 0.3524 looks on a white background.

Color Contrast Check

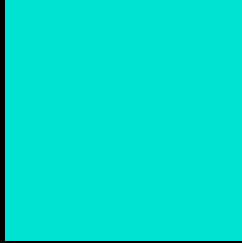
Large Text (above 18pt) WCAG AA × Fail

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 59.5913, 0.2312, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

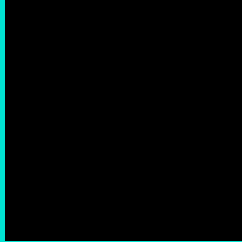
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

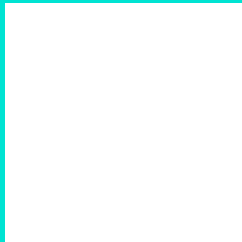
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.5913, 0.2312, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 59.5913, 0.2312, 0.3524.

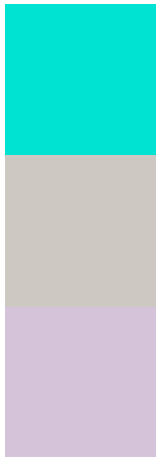


This preview shows how white text looks on a background with the Yxy color 59.5913, 0.2312, 0.3524.

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

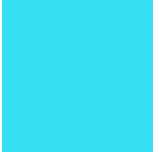
59.5913, 0.2312, 0.3524

Protanopia

58.3705, 0.3211, 0.3349

Deuteranopia

58.1861, 0.3108, 0.3040



Tritanopia

59.9105, 0.2232, 0.3054

Trichromacy



Original Color

59.5913, 0.2312, 0.3524



Protanomaly

55.0886, 0.2661, 0.3423



Deuteranomaly

54.7149, 0.2606, 0.3197



Tritanomaly

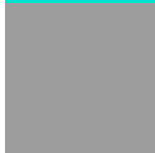
59.3646, 0.2247, 0.3207

Monochromacy



Original Color

59.5913, 0.2312, 0.3524



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.2998, 0.2566, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5913, 0.2312, 0.3524 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 210) }
```

Border

The CSS property to change the border of an element to Yxy 59.5913, 0.2312, 0.3524 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, 210) }
```

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

```
.border{ border-color:rgb(0, 227, 210) }
```

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, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5913, 0.2312, 0.3524 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, 210) }
```

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

```
.background{ background-color: rgb(0, 227,  
210) }
```

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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