

Converting Colors

$Y_{xy}(59.4475, 0.2340, 0.3596)$

Have a look what the booklet for
Yxy(59.4475, 0.2340, 0.3596)
contains.

Yxy(59.4475, 0.2340, 0.3596)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.4475, 0.2340, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	0FE3CD
RGB	15, 227, 205
RGB Percent	6%, 89%, 80%
CMY	0.9411, 0.1098, 0.1961
CMYK	0.93, 0.00, 0.10, 0.11
HSL	174°, 88%, 47%
HSV	174°, 93%, 89%
XYZ	38.6839, 59.4475, 67.1843
YIQ	161.1040, -119.2900, -51.7860

Conversions

Conversions Part 2

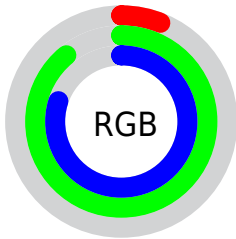
Format	Color
RYB	15, 127, 227
Decimal	1041357
CIELab	81.54, -49.88, -2.10
CIELCh	82, 49.923, 182.412
Yxy	59.4475, 0.2340, 0.3596
Android (android.graphics.Color)	4279231437 (0xFF0FE3CD)
YUV	161.1040, 21.6407, -128.1332
Hunter-Lab	77.1022, -45.3715, 2.3082

Details

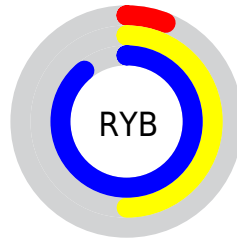
The Yxy color **59.4475, 0.2340, 0.3596** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.8074, 0.6155, 0.3214**, and the grayscale version is **35.6326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **31.3602, 0.2349, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **59.2732, 0.2339, 0.3619**, and if you desaturate by 10%, it is **59.8694, 0.2353, 0.3560**.

Distribution



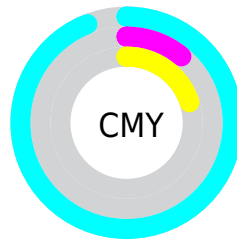
- Red (6%)
- Green (89%)
- Blue (80%)



- Red (6%)
- Yellow (50%)
- Blue (89%)



- Cyan (93%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (94%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4475, 0.2340, 0.3596 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 59.4475, 0.2340, 0.3596 by changing the saturation by 10% instead.


 59.4475, 0.2340,
0.3596


 59.4475, 0.2340,
0.3596


422.5583, 0.2712,
0.3454


 42.9735, 0.2254,
0.3628


 104.0278, 0.2470,
0.3547


 29.8643, 0.2147,
0.3668


 132.9028, 0.2520,
0.3528


 19.7356, 0.2011,
0.3718


 166.6803, 0.2564,
0.3511

 12.2030, 0.1833,
0.3782

 205.7446, 0.2601,
0.3497

 6.8821, 0.1591,
0.3866

 250.4802, 0.2634,
0.3484

 3.3885, 0.1252,
0.3979

301.2714, 0.2663,

 1.3377, 0.0000,

0.3473

0.4465

358.5026, 0.2689,
0.3463

■ 0.1702, 0.0000,
0.3388

■ 0.0000, 0.0000,
0.0000

■ 59.4475, 0.2340,
0.3596

■ 59.4475, 0.2340,
0.3596

■ 59.2732, 0.2339,
0.3619

■ 59.8694, 0.2353,
0.3560

■ 60.5528, 0.2384,
0.3524

■ 61.5416, 0.2434,
0.3488

■ 62.8701, 0.2503,
0.3453

■ 64.5682, 0.2591,
0.3418

■ 66.6623, 0.2695,
0.3385

■ 69.1765, 0.2813,
0.3354

■ 72.1330, 0.2942,
0.3325

■ 75.5523, 0.3079,
0.3298

Harmonies

Analogous

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



59.4475, 0.2861, 0.4203



59.4475, 0.2340, 0.3596



59.4475, 0.2043, 0.2952

Triad

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



59.4475, 0.2340, 0.3596



59.4475, 0.2676, 0.2340



59.4475, 0.4374, 0.3919

Complementary

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



59.4475, 0.2340, 0.3596



16.8074, 0.6155, 0.3214

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.



59.4475, 0.4345, 0.3433



59.4475, 0.2340, 0.3596



59.4475, 0.3302, 0.2574

Square

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



59.4475, 0.2340, 0.3596



59.4475, 0.2224, 0.2305



59.4475, 0.3937, 0.2959



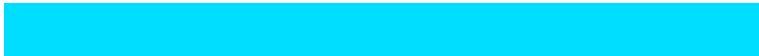
59.4475, 0.4044, 0.4319

Rectangle

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



59.4475, 0.2340, 0.3596



59.4475, 0.1991, 0.2624



59.4475, 0.3937, 0.2959



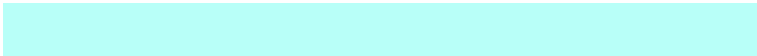
59.4475, 0.4408, 0.3760

Sweetspot

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



59.4498, 0.2340, 0.3596



88.4126, 0.2755, 0.3369



55.4215, 0.3040, 0.5928



18.6300, 0.2705, 0.3383



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.



59.4498, 0.2340, 0.3596



77.1501, 0.2339, 0.3622



26.1259, 0.1916, 0.2059



16.3092, 0.2995, 0.3314



34.5768, 0.2337, 0.3614



2.5626, 0.2323, 0.3562

Inverse Universe

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



16.8074, 0.6155, 0.3214



21.3368, 0.6305, 0.3247



24.7823, 0.5613, 0.3866



14.3922, 0.3276, 0.3266



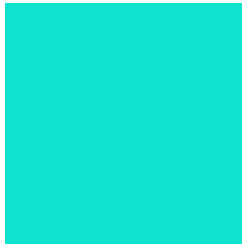
9.5697, 0.6275, 0.3231



0.7154, 0.5993, 0.3075

Previews

White Background



This preview shows how the Yxy color 59.4475, 0.2340, 0.3596 looks on a white background.

Color Contrast Check

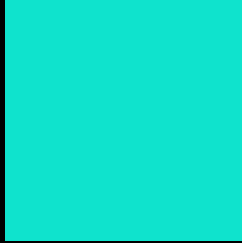
Large Text (above 18pt) WCAG AA × Fail

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 59.4475, 0.2340, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

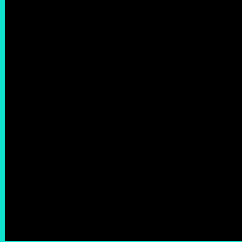
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

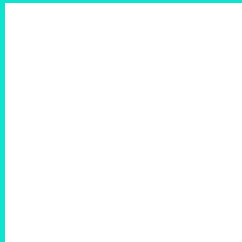
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4475, 0.2340, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 59.4475, 0.2340, 0.3596.

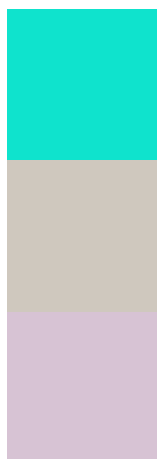


This preview shows how white text looks on a background with the Yxy color 59.4475, 0.2340, 0.3596.

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

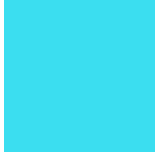
59.4475, 0.2340, 0.3596

Protanopia

58.2917, 0.3256, 0.3409

Deuteranopia

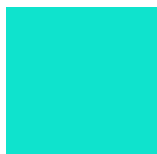
58.2308, 0.3160, 0.3097



Tritanopia

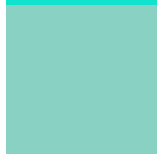
59.4636, 0.2242, 0.3054

Trichromacy



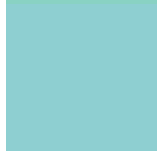
Original Color

59.4475, 0.2340, 0.3596



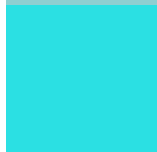
Protanomaly

55.3517, 0.2725, 0.3490



Deuteranomaly

54.9799, 0.2669, 0.3263



Tritanomaly

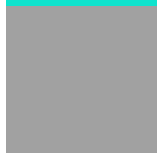
59.3710, 0.2271, 0.3247

Monochromacy



Original Color

59.4475, 0.2340, 0.3596



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.0604, 0.2614, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4475, 0.2340, 0.3596 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(15, 227, 205)` looks like.

```
.text, #text, p{  
    color:rgb(15, 227, 205)  
}
```

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(15, 227, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 227, 205) }
```

Border

The CSS property to change the border of an element to Yxy 59.4475, 0.2340, 0.3596 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(15, 227, 205) }
```

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

```
.border{ border-color:rgb(15, 227, 205) }
```

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

Here you see how a box with a 4 pixel rgb(15, 227, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(15, 227,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4475, 0.2340, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 227, 205) }
```

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

```
.background{ background-color: rgb(15, 227,  
205) }
```

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