

Converting Colors

$Y_{xy}(59.6550, 0.2362, 0.3397)$

Have a look what the booklet for
Yxy(59.6550, 0.2362, 0.3397)
contains.

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Color

Yxy(59.4625, 0.2362, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	43E0D8
RGB	67, 224, 216
RGB Percent	26%, 88%, 85%
CMY	0.7379, 0.1215, 0.1529
CMYK	0.70, 0.00, 0.04, 0.12
HSL	177°, 72%, 57%
HSV	177°, 70%, 88%
XYZ	41.3576, 59.4625, 74.2756
YIQ	176.1450, -91.0040, -35.7720

Conversions

Conversions Part 2

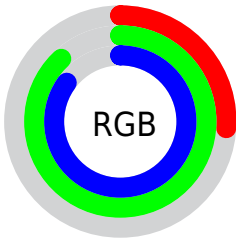
Format	Color
RYB	67, 148, 224
Decimal	4448472
CIELab	81.55, -41.57, -7.88
CIElCh	82, 42.307, 190.732
Yxy	59.4625, 0.2362, 0.3396
Android (android.graphics.Color)	4282638552 (0xFF43E0D8)
YUV	176.1450, 19.6485, -95.7202
Hunter-Lab	77.1119, -39.2106, -3.1308

Details

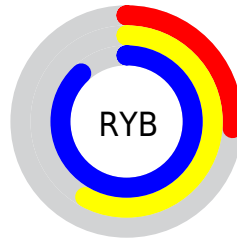
The Yxy color **59.4625, 0.2362, 0.3396** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.3486, 0.5388, 0.3224**, and the grayscale version is **43.4033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **30.5785, 0.2282, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **58.7638, 0.2321, 0.3413**, and if you desaturate by 10%, it is **60.4719, 0.2422, 0.3379**.

Distribution



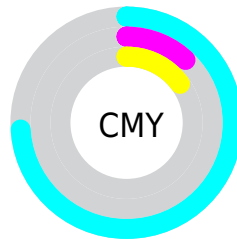
- Red (26%)
- Green (88%)
- Blue (85%)



- Red (26%)
- Yellow (58%)
- Blue (88%)



- Cyan (70%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)





- Cyan (74%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4625, 0.2362, 0.3396 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 59.4625, 0.2362, 0.3396 by changing the saturation by 10% instead.


 59.4625, 0.2362,
0.3396

 59.4625, 0.2362,
0.3396


422.6137, 0.2721,
0.3354


 42.9855, 0.2279,
0.3404


 104.0496, 0.2487,
0.3383


 29.8738, 0.2177,
0.3412


 132.9285, 0.2536,
0.3377

 19.7428, 0.2048,
0.3420


 166.7101, 0.2577,
0.3372

 12.2082, 0.1879,
0.3428

 205.7789, 0.2614,
0.3368

 6.8856, 0.1652,
0.3430

250.5193, 0.2645,
0.3364

 3.3907, 0.1333,
0.3417

301.3156, 0.2673,

 1.3389, 0.0520,

0.3360

0.3478

358.5523, 0.2698,
0.3357

0.1711, 0.0000,
0.1884

0.0000, 0.0000,
0.0000

59.4625, 0.2362,
0.3396

59.4625, 0.2362,
0.3396

58.7638, 0.2321,
0.3413

60.4719, 0.2422,
0.3379

58.3314, 0.2299,
0.3430


61.8167, 0.2501,
0.3362


58.1036, 0.2291,
0.3446


63.5271, 0.2599,
0.3346

65.6277, 0.2713,
0.3331

 68.1412, 0.2840,
0.3316

 71.0886, 0.2978,
0.3303

 74.4893, 0.3125,
0.3290

 78.3617, 0.3276,
0.3279

 80.0847, 0.3333,
0.3268

Harmonies

Analogous

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



59.4625, 0.2769, 0.3931



59.4625, 0.2362, 0.3396



59.4625, 0.2161, 0.2884

Triad

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



59.4625, 0.2362, 0.3396



59.4625, 0.2884, 0.2508



59.4625, 0.4142, 0.3951

Complementary

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



59.4625, 0.2362, 0.3396



20.3486, 0.5388, 0.3224

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.



59.4625, 0.4201, 0.3545



59.4625, 0.2362, 0.3396



59.4625, 0.3437, 0.2754

Square

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



59.4625, 0.2362, 0.3396



59.4625, 0.2441, 0.2429



59.4625, 0.3936, 0.3121



59.4625, 0.3801, 0.4233

Rectangle

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



59.4625, 0.2362, 0.3396



59.4625, 0.2155, 0.2638



59.4625, 0.3936, 0.3121



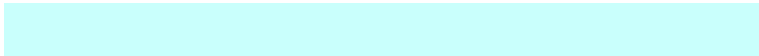
59.4625, 0.4197, 0.3823

Sweetspot

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



59.4648, 0.2362, 0.3396



91.0458, 0.2827, 0.3318



55.3124, 0.3063, 0.5509



19.2780, 0.2791, 0.3322



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.



59.4648, 0.2362, 0.3396



78.5254, 0.2309, 0.3421



30.3127, 0.2080, 0.2281



15.5597, 0.2989, 0.3302



33.8211, 0.2290, 0.3444



2.3480, 0.2283, 0.3418

Inverse Universe

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



20.3486, 0.5388, 0.3224



23.0773, 0.5994, 0.3244



33.5640, 0.4833, 0.4015



13.7118, 0.3284, 0.3278



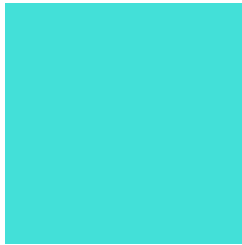
9.2439, 0.6344, 0.3269



0.6448, 0.6183, 0.3180

Previews

White Background



This preview shows how the Yxy color 59.4625, 0.2362, 0.3396 looks on a white background.

Color Contrast Check

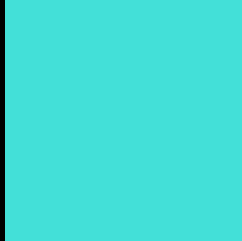
Large Text (above 18pt) WCAG AA × Fail

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 59.4625, 0.2362, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

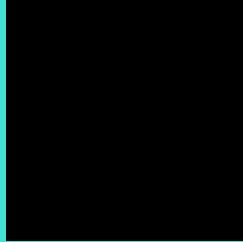
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.4625, 0.2362, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 59.4625, 0.2362, 0.3396.

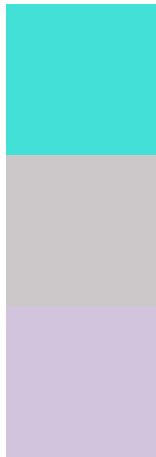


This preview shows how white text looks on a background with the Yxy color 59.4625, 0.2362, 0.3396.

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

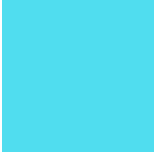
59.4625, 0.2362, 0.3396

Protanopia

58.4102, 0.3144, 0.3267

Deuteranopia

58.6027, 0.3056, 0.2995



Tritanopia

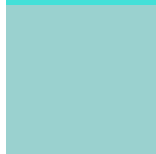
59.6504, 0.2292, 0.3056

Trichromacy



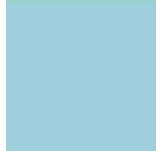
Original Color

59.4625, 0.2362, 0.3396



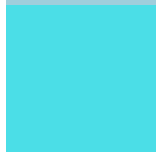
Protanomaly

56.9759, 0.2757, 0.3315



Deuteranomaly

56.6808, 0.2708, 0.3114



Tritanomaly

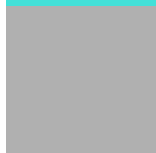
59.5079, 0.2314, 0.3169

Monochromacy



Original Color

59.4625, 0.2362, 0.3396



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.1358, 0.2718, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4625, 0.2362, 0.3396 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(67, 224, 216)` looks like.

```
.text, #text, p{  
    color:rgb(67, 224, 216)  
}
```

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(67, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 224, 216) }
```

Border

The CSS property to change the border of an element to Yxy 59.4625, 0.2362, 0.3396 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(67, 224, 216) }
```

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

```
.border{ border-color:rgb(67, 224, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 224, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(67, 224,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4625, 0.2362, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 224, 216) }
```

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

```
.background{ background-color: rgb(67, 224,  
216) }
```

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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