

Converting Colors

Yxy(59.8881, 0.2418, 0.3904)

Have a look what the booklet for
Yxy(59.8881, 0.2418, 0.3904)
contains.

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Color

Yxy(59.6265, 0.2415, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	01E5BB
RGB	1, 229, 187
RGB Percent	0%, 90%, 73%
CMY	0.9962, 0.1020, 0.2666
CMYK	1.00, 0.00, 0.18, 0.10
HSL	169°, 99%, 45%
HSV	169°, 100%, 90%
XYZ	36.9985, 59.6265, 56.5778
YIQ	156.0400, -122.4060, -61.3980

Conversions

Conversions Part 2

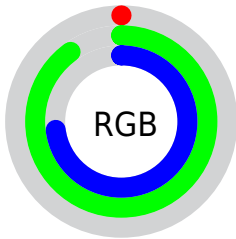
Format	Color
RYB	1, 127, 229
Decimal	124347
CIELab	81.63, -55.76, 7.55
CIELCh	82, 56.270, 172.293
Yxy	59.6265, 0.2415, 0.3892
Android (android.graphics.Color)	4278314427 (0xFF01E5BB)
YUV	156.0400, 15.2633, -135.9701
Hunter-Lab	77.2182, -49.6051, 10.6110

Details

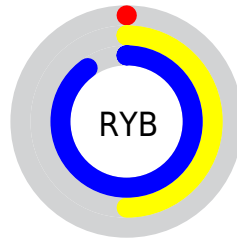
The Yxy color **59.6265, 0.2415, 0.3892** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **16.8520, 0.6132, 0.3155**, and the grayscale version is **33.2309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3061, 0.2462, 0.3429**, and **31.2263, 0.2447, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **59.6148, 0.2415, 0.3895**, and if you desaturate by 10%, it is **59.9984, 0.2412, 0.3826**.

Distribution



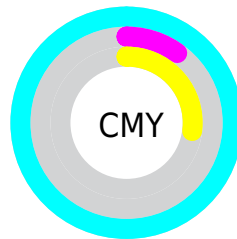
- Red (0%)
- Green (90%)
- Blue (73%)



- Red (0%)
- Yellow (50%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6265, 0.2415, 0.3892 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 59.6265, 0.2415, 0.3892 by changing the saturation by 10% instead.

 59.6265, 0.2415,
0.3892


 59.6265, 0.2415,
0.3892


423.2197, 0.2758,
0.3595


 43.1177, 0.2334,
0.3965

 104.2877, 0.2536,
0.3785


 29.9774, 0.2232,
0.4057


 133.2088, 0.2583,
0.3745

 19.8215, 0.2100,
0.4178


 167.0361, 0.2623,
0.3710

 12.2653, 0.1926,
0.4343

 206.1540, 0.2657,
0.3681

 6.9246, 0.1683,
0.4581

 250.9470, 0.2687,
0.3655

 3.4150, 0.1330,
0.4950

301.7993, 0.2714,

 1.3521, 0.0000,

0.3633

0.6071

359.0954, 0.2737,
0.3613

■ 0.1810, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6265, 0.2415,
0.3892

■ 59.6265, 0.2415,
0.3892

■ 59.6148, 0.2415,
0.3895

■ 59.9984, 0.2412,
0.3826

■ 60.5934, 0.2424,
0.3759

■ 61.4784, 0.2456,
0.3692

■ 62.6928, 0.2508,
0.3625

■ 64.2698, 0.2579,
0.3561

■ 66.2383, 0.2666,
0.3498

■ 68.6245, 0.2768,
0.3440

■ 71.4523, 0.2882,
0.3385

■ 74.7435, 0.3004,
0.3334

Harmonies

Analogous

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



59.6265, 0.3051, 0.4489



59.6265, 0.2415, 0.3892



59.6265, 0.2000, 0.3128

Triad

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



59.6265, 0.2415, 0.3892



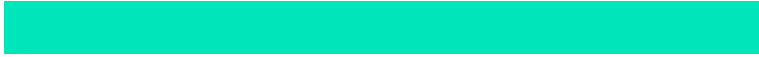
59.6265, 0.2425, 0.2200



59.6265, 0.4564, 0.3793

Complementary

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



59.6265, 0.2415, 0.3892



16.8520, 0.6132, 0.3155

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.



59.6265, 0.4388, 0.3254



59.6265, 0.2415, 0.3892



59.6265, 0.3069, 0.2388

Square

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



59.6265, 0.2415, 0.3892



59.6265, 0.2014, 0.2238



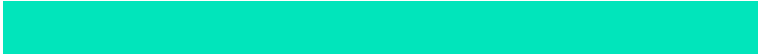
59.6265, 0.3811, 0.2761



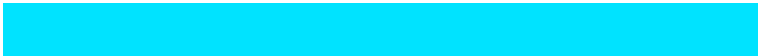
59.6265, 0.4306, 0.4295

Rectangle

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



59.6265, 0.2415, 0.3892



59.6265, 0.1881, 0.2705



59.6265, 0.3811, 0.2761



59.6265, 0.4556, 0.3612

Sweetspot

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



59.6288, 0.2415, 0.3892



87.3900, 0.2762, 0.3443



56.6307, 0.3064, 0.5947



18.4173, 0.2717, 0.3468



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.



59.6288, 0.2415, 0.3892



76.0765, 0.2416, 0.3899



31.0089, 0.1965, 0.2271



16.2885, 0.3006, 0.3334



34.1041, 0.2412, 0.3884



2.5320, 0.2385, 0.3787

Inverse Universe

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



16.8520, 0.6132, 0.3155



21.4648, 0.6154, 0.3164



20.9622, 0.5975, 0.3634



14.4111, 0.3264, 0.3247



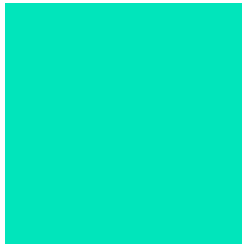
9.6333, 0.6110, 0.3140



0.7244, 0.5722, 0.2926

Previews

White Background



This preview shows how the Yxy color 59.6265, 0.2415, 0.3892 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 59.6265, 0.2415, 0.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

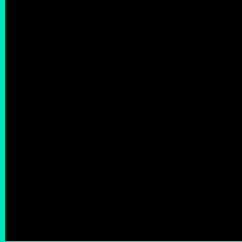
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

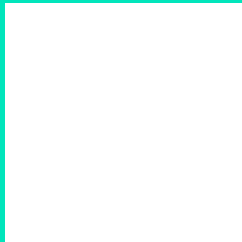
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.6265, 0.2415, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 59.6265, 0.2415, 0.3892.



This preview shows how white text looks on a background with the Yxy color 59.6265, 0.2415, 0.3892.

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

59.6329, 0.2415, 0.3892

Protanopia

58.6007, 0.3424, 0.3635

Deuteranopia

58.2117, 0.3356, 0.3279



Tritanopia

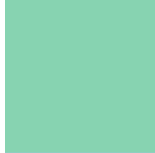
59.7271, 0.2259, 0.3055

Trichromacy



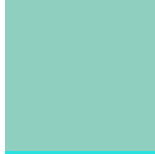
Original Color

59.6329, 0.2415, 0.3892



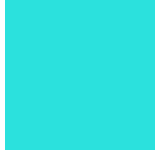
Protanomaly

54.9138, 0.2820, 0.3757



Deuteranomaly

54.1822, 0.2769, 0.3491



Tritanomaly

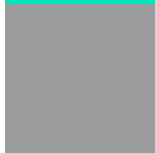
59.5845, 0.2298, 0.3342

Monochromacy



Original Color

59.6329, 0.2415, 0.3892



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.3663, 0.2624, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6265, 0.2415, 0.3892 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(1, 229, 187)` looks like.

```
.text, #text, p{  
    color:rgb(1, 229, 187)  
}
```

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(1, 229, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 229, 187) }
```

Border

The CSS property to change the border of an element to Yxy 59.6265, 0.2415, 0.3892 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(1, 229, 187) }
```

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

```
.border{ border-color:rgb(1, 229, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 229, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 229, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 229, 187);  
box-shadow:4px 4px 4px 4px rgb(1, 229,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6265, 0.2415, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 229, 187) }
```

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

```
.background{ background-color: rgb(1, 229,  
187) }
```

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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