

Converting Colors

$Y_{xy}(59.3390, 0.2425, 0.3863)$

Have a look what the booklet for
Yxy(59.3390, 0.2425, 0.3863)
contains.

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Color

Yxy(59.3507, 0.2425, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	1BE4BC
RGB	27, 228, 188
RGB Percent	11%, 89%, 74%
CMY	0.8949, 0.1058, 0.2628
CMYK	0.88, 0.00, 0.18, 0.11
HSL	168°, 79%, 50%
HSV	168°, 88%, 89%
XYZ	37.2671, 59.3507, 57.0609
YIQ	163.3410, -106.9560, -55.0520

Conversions

Conversions Part 2

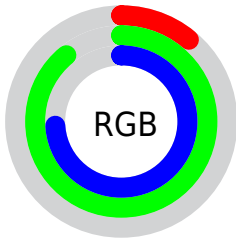
Format	Color
R _Y B	27, 139, 228
Decimal	1828028
CIE Lab	81.48, -54.23, 6.83
CIE LCh	81, 54.659, 172.822
Yxy	59.3507, 0.2425, 0.3862
Android (android.graphics.Color)	4280018108 (0xFF1BE4BC)
YUV	163.3410, 12.1569, -119.5711
Hunter-Lab	77.0394, -48.4713, 10.0132

Details

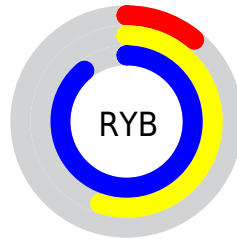
The Yxy color **59.3507, 0.2425, 0.3862** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.6735, 0.5757, 0.3047**, and the grayscale version is **36.7469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6965, 0.2474, 0.3417**, and **30.8751, 0.2437, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **58.9560, 0.2428, 0.3934**, and if you desaturate by 10%, it is **59.9894, 0.2439, 0.3789**.

Distribution



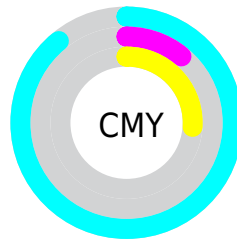
- Red (11%)
- Green (89%)
- Blue (74%)



- Red (11%)
- Yellow (55%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)





- Cyan (89%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3507, 0.2425, 0.3862 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 59.3507, 0.2425, 0.3862 by changing the saturation by 10% instead.


 59.3507, 0.2425,
0.3862

 59.3507, 0.2425,
0.3862


422.2003, 0.2763,
0.3580

 42.8955, 0.2345,
0.3931


 103.8872, 0.2545,
0.3761


 29.8031, 0.2244,
0.4018


 132.7373, 0.2591,
0.3722


 19.6892, 0.2115,
0.4132


 166.4878, 0.2630,
0.3690

 12.1693, 0.1943,
0.4288

 205.5231, 0.2664,
0.3662

 6.8591, 0.1703,
0.4513

 250.2276, 0.2693,
0.3638

 3.3741, 0.1355,
0.4860

300.9857, 0.2719,

 1.3300, 0.0000,

0.3616

0.5946

358.1818, 0.2742,
0.3597

■ 0.1643, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3507, 0.2425,
0.3862

■ 59.3507, 0.2425,
0.3862

■ 58.9560, 0.2428,
0.3934


■ 59.9894, 0.2439,
0.3789

■ 58.8970, 0.2430,
0.3947


■ 60.9195, 0.2473,
0.3716

■ 62.1812, 0.2526,
0.3644


■ 63.8067, 0.2598,
0.3574

 65.8244, 0.2686,
0.3507

 68.2596, 0.2788,
0.3444

 71.1358, 0.2902,
0.3385

 74.4746, 0.3023,
0.3331

 78.2960, 0.3150,
0.3282

Harmonies

Analogous

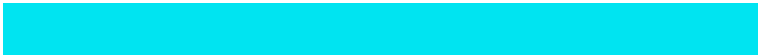
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.3507, 0.3043, 0.4446



59.3507, 0.2425, 0.3862



59.3507, 0.2023, 0.3122

Triad

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



59.3507, 0.2425, 0.3862



59.3507, 0.2452, 0.2226



59.3507, 0.4525, 0.3794

Complementary

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



59.3507, 0.2425, 0.3862



17.6735, 0.5757, 0.3047

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.



59.3507, 0.4360, 0.3266



59.3507, 0.2425, 0.3862



59.3507, 0.3084, 0.2414

Square

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



59.3507, 0.2425, 0.3862



59.3507, 0.2045, 0.2260



59.3507, 0.3805, 0.2782



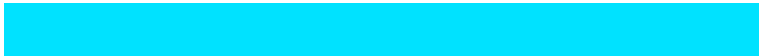
59.3507, 0.4271, 0.4281

Rectangle

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



59.3507, 0.2425, 0.3862



59.3507, 0.1909, 0.2713



59.3507, 0.3805, 0.2782



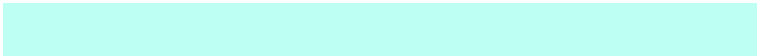
59.3507, 0.4520, 0.3618

Sweetspot

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



59.3530, 0.2425, 0.3862



88.7000, 0.2811, 0.3431



56.7654, 0.3106, 0.5827



18.7290, 0.2773, 0.3452



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.



59.3530, 0.2425, 0.3862



75.8930, 0.2431, 0.3951



33.7074, 0.2020, 0.2399



16.2847, 0.3008, 0.3337



34.0232, 0.2427, 0.3936



2.5267, 0.2397, 0.3830

Inverse Universe

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



17.6735, 0.5757, 0.3047



21.4966, 0.6118, 0.3144



23.4167, 0.5680, 0.3735



14.4146, 0.3261, 0.3243



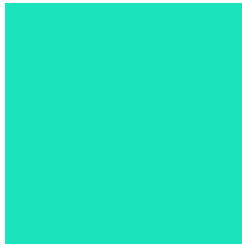
9.6486, 0.6072, 0.3119



0.7260, 0.5676, 0.2900

Previews

White Background



This preview shows how the Yxy color 59.3507, 0.2425, 0.3862 looks on a white background.

Color Contrast Check

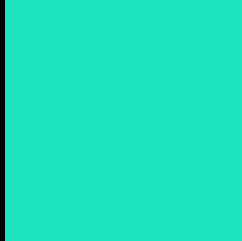
Large Text (above 18pt) WCAG AA × Fail

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 59.3507, 0.2425, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

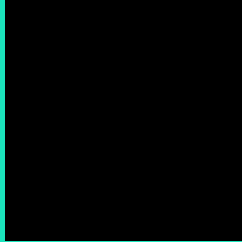
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

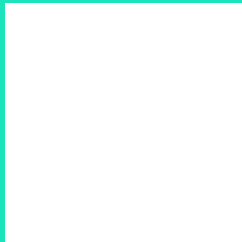
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.3507, 0.2425, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 59.3507, 0.2425, 0.3862.



This preview shows how white text looks on a background with the Yxy color 59.3507, 0.2425, 0.3862.

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

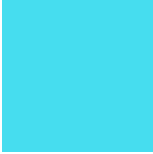
59.3507, 0.2425, 0.3862

Protanopia

58.0273, 0.3410, 0.3612

Deuteranopia

58.0533, 0.3348, 0.3279



Tritanopia

59.2470, 0.2266, 0.3054

Trichromacy



Original Color

59.3507, 0.2425, 0.3862



Protanomaly

55.1472, 0.2864, 0.3724



Deuteranomaly

54.5277, 0.2826, 0.3475



Tritanomaly

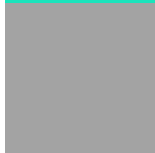
59.2629, 0.2317, 0.3342

Monochromacy



Original Color

59.3507, 0.2425, 0.3862



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.0299, 0.2680, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3507, 0.2425, 0.3862 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(27, 228, 188)` looks like.

```
.text, #text, p{  
    color:rgb(27, 228, 188)  
}
```

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(27, 228, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 228, 188) }
```

Border

The CSS property to change the border of an element to Yxy 59.3507, 0.2425, 0.3862 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(27, 228, 188) }
```

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

```
.border{ border-color:rgb(27, 228, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 228, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 228, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 228, 188);  
box-shadow:4px 4px 4px 4px rgb(27, 228,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3507, 0.2425, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 228, 188) }
```

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

```
.background{ background-color: rgb(27, 228,  
188) }
```

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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