

Converting Colors

$Yxy(58.0422, 0.2498, 0.4128)$

Have a look what the booklet for
Yxy(58.0422, 0.2498, 0.4128)
contains.

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Color

Yxy(58.0471, 0.2499, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	19E3AA
RGB	25, 227, 170
RGB Percent	10%, 89%, 67%
CMY	0.9023, 0.1098, 0.3334
CMYK	0.89, 0.00, 0.25, 0.11
HSL	163°, 80%, 49%
HSV	163°, 89%, 89%
XYZ	35.1234, 58.0471, 47.3794
YIQ	160.1040, -102.0950, -60.5510

Conversions

Conversions Part 2

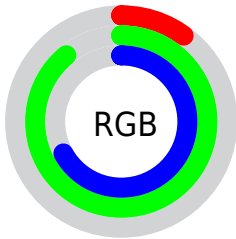
Format	Color
RYP	25, 143, 227
Decimal	1696682
CIELab	80.76, -58.29, 15.28
CIELCh	81, 60.257, 165.310
Yxy	58.0471, 0.2499, 0.4130
Android (android.graphics.Color)	4279886762 (0xFF19E3AA)
YUV	160.1040, 4.8787, -118.4862
Hunter-Lab	76.1886, -51.0406, 16.4614

Details

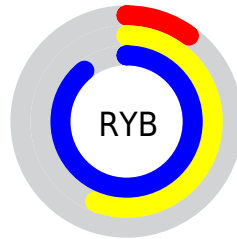
The Yxy color **58.0471, 0.2499, 0.4130** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.6322, 0.5519, 0.2901**, and the grayscale version is **35.2067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5337, 0.2551, 0.3650**, and **30.0575, 0.2531, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **57.6215, 0.2511, 0.4236**, and if you desaturate by 10%, it is **58.7113, 0.2504, 0.4023**.

Distribution



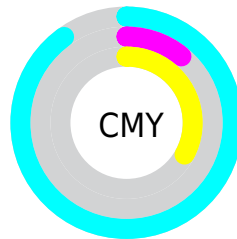
- Red (10%)
- Green (89%)
- Blue (67%)



- Red (10%)
- Yellow (56%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)



- Cyan (90%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0471, 0.2499, 0.4130 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 58.0471, 0.2499, 0.4130 by changing the saturation by 10% instead.


 58.0471, 0.2499,
0.4130

 58.0471, 0.2499,
0.4130

417.3614, 0.2810,
0.3704


 41.8465, 0.2423,
0.4238


 101.9914, 0.2611,
0.3974


 28.9811, 0.2326,
0.4376


 130.5040, 0.2653,
0.3916


 19.0665, 0.2199,
0.4562


 163.8893, 0.2689,
0.3867

 11.7184, 0.2025,
0.4820

 202.5318, 0.2720,
0.3825

 6.5522, 0.1777,
0.5205

 246.8159, 0.2747,
0.3789

 3.1837, 0.1395,
0.5830

297.1259, 0.2771,

 1.2284, 0.0000,

0.3757

0.8427

353.8463, 0.2791,
0.3729

■ 0.0847, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0471, 0.2499,
0.4130

■ 58.0471, 0.2499,
0.4130

■ 57.6215, 0.2511,
0.4236

■ 58.7113, 0.2504,
0.4023

■ 57.5846, 0.2513,
0.4246

■ 59.6665, 0.2529,
0.3915

■ 60.9532, 0.2575,
0.3809

■ 62.6038, 0.2638,
0.3707

■ 64.6464, 0.2718,
0.3609

■ 67.1067, 0.2811,
0.3517

■ 70.0081, 0.2914,
0.3432

■ 73.3719, 0.3024,
0.3354

■ 77.2185, 0.3139,
0.3283

Harmonies

Analogous

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



58.0471, 0.3211, 0.4676



58.0471, 0.2499, 0.4130



58.0471, 0.1995, 0.3293

Triad

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



58.0471, 0.2499, 0.4130



58.0471, 0.2247, 0.2113



58.0471, 0.4675, 0.3680

Complementary

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



58.0471, 0.2499, 0.4130



17.6322, 0.5519, 0.2901

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.



58.0471, 0.4377, 0.3114



58.0471, 0.2499, 0.4130



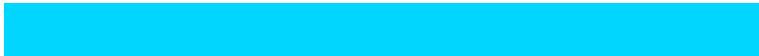
58.0471, 0.2882, 0.2262

Square

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



58.0471, 0.2499, 0.4130



58.0471, 0.1878, 0.2210



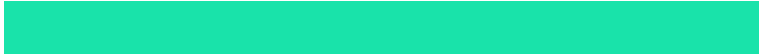
58.0471, 0.3681, 0.2615



58.0471, 0.4489, 0.4240

Rectangle

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



58.0471, 0.2499, 0.4130



58.0471, 0.1825, 0.2797



58.0471, 0.3681, 0.2615



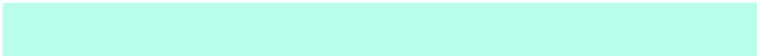
58.0471, 0.4631, 0.3488

Sweetspot

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



58.0494, 0.2499, 0.4130



88.0094, 0.2829, 0.3501



56.8134, 0.3171, 0.5786



18.5808, 0.2795, 0.3531



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.



58.0494, 0.2499, 0.4130



74.9413, 0.2515, 0.4253



39.7106, 0.2088, 0.2654



16.2634, 0.3019, 0.3357



33.6024, 0.2508, 0.4230



2.4988, 0.2465, 0.4075

Inverse Universe

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



17.6322, 0.5519, 0.2901



21.7271, 0.5872, 0.3009



20.6222, 0.5887, 0.3574



14.4345, 0.3248, 0.3224



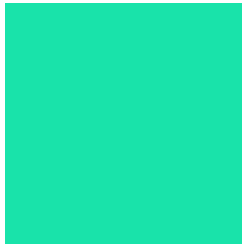
9.7576, 0.5819, 0.2979



0.7366, 0.5402, 0.2749

Previews

White Background



This preview shows how the Yxy color 58.0471, 0.2499, 0.4130 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 58.0471, 0.2499, 0.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

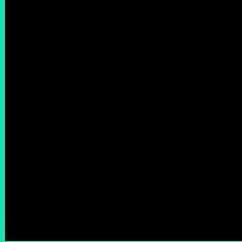
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0471, 0.2499, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 58.0471, 0.2499, 0.4130.

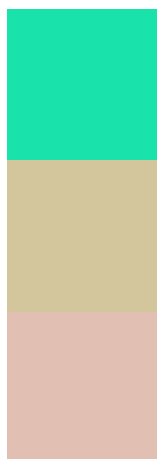


This preview shows how white text looks on a background with the Yxy color 58.0471, 0.2499, 0.4130.

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

58.0471, 0.2499, 0.4130

Protanopia

56.6374, 0.3554, 0.3794

Deuteranopia

56.4835, 0.3516, 0.3440



Tritanopia

57.7354, 0.2283, 0.3052

Trichromacy



Original Color

58.0471, 0.2499, 0.4130



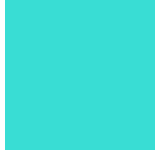
Protanomaly

54.0138, 0.2970, 0.3955



Deuteranomaly

52.9563, 0.2940, 0.3683



Tritanomaly

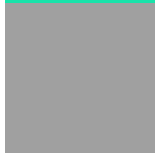
57.3362, 0.2346, 0.3412

Monochromacy



Original Color

58.0471, 0.2499, 0.4130



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.3408, 0.2713, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0471, 0.2499, 0.4130 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(25, 227, 170)` looks like.

```
.text, #text, p{  
    color:rgb(25, 227, 170)  
}
```

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(25, 227, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 227, 170) }
```

Border

The CSS property to change the border of an element to Yxy 58.0471, 0.2499, 0.4130 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(25, 227, 170) }
```

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

```
.border{ border-color:rgb(25, 227, 170) }
```

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

Here you see how a box with a 4 pixel rgb(25, 227, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 227, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 227, 170);  
box-shadow:4px 4px 4px 4px rgb(25, 227,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0471, 0.2499, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 227, 170) }
```

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

```
.background{ background-color: rgb(25, 227,  
170) }
```

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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