

Converting Colors

$Y_{xy}(58.0681, 0.2423, 0.4171)$

Have a look what the booklet for
Yxy(58.0681, 0.2423, 0.4171)
contains.

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Color

Yxy(58.9409, 0.2488, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	00E5AA
RGB	0, 229, 170
RGB Percent	0%, 90%, 67%
CMY	1.0000, 0.1019, 0.3334
CMYK	1.00, 0.00, 0.26, 0.10
HSL	165°, 100%, 45%
HSV	165°, 100%, 90%
XYZ	35.2681, 58.9409, 47.5440
YIQ	153.8030, -117.5450, -66.8970

Conversions

Conversions Part 2

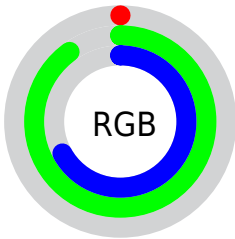
Format	Color
RYB	0, 131, 229
Decimal	58794
CIELab	81.26, -59.93, 15.96
CIELCh	81, 62.013, 165.089
Yxy	58.9409, 0.2488, 0.4158
Android (android.graphics.Color)	4278248874 (0xFF00E5AA)
YUV	153.8030, 7.9851, -134.8852
Hunter-Lab	76.7730, -52.3530, 17.0240

Details

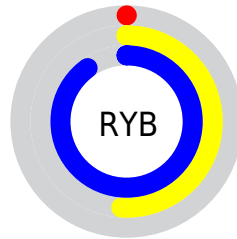
The Yxy color **58.9409, 0.2488, 0.4158** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.9760, 0.5938, 0.3045**, and the grayscale version is **32.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2075, 0.2534, 0.3652**, and **30.8131, 0.2539, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **58.9473, 0.2488, 0.4158**, and if you desaturate by 10%, it is **59.3567, 0.2477, 0.4062**.

Distribution



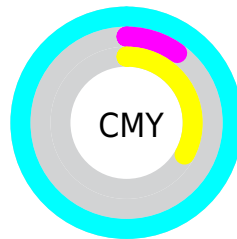
- Red (0%)
- Green (90%)
- Blue (67%)



- Red (0%)
- Yellow (51%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9409, 0.2488, 0.4158 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 58.9409, 0.2488, 0.4158 by changing the saturation by 10% instead.

 58.9409, 0.2488,
0.4158


 58.9409, 0.2488,
0.4158


420.6829, 0.2804,
0.3718


 42.5655, 0.2411,
0.4269


 103.2918, 0.2602,
0.3997


 29.5444, 0.2312,
0.4412


 132.0361, 0.2645,
0.3937


 19.4930, 0.2184,
0.4602


 165.6721, 0.2681,
0.3886

 12.0271, 0.2009,
0.4868

 204.5844, 0.2713,
0.3843

 6.7621, 0.1759,
0.5262

 249.1572, 0.2740,
0.3806

 3.3138, 0.1377,
0.5897

299.7749, 0.2764,

 1.2977, 0.0000,

0.3773

0.8431

356.8220, 0.2785,
0.3744

■ 0.1394, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9409, 0.2488,
0.4158

■ 58.9409, 0.2488,
0.4158

■ 58.9473, 0.2488,
0.4158

■ 59.3567, 0.2477,
0.4062

■ 59.9906, 0.2483,
0.3965

■ 60.9176, 0.2508,
0.3868

■ 62.1774, 0.2553,
0.3772

■ 63.8037, 0.2617,
0.3678

■ 65.8255, 0.2697,
0.3589

■ 68.2692, 0.2792,
0.3505

■ 71.1589, 0.2897,
0.3427

■ 74.5166, 0.3009,
0.3355

Harmonies

Analogous

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



58.9409, 0.3215, 0.4714



58.9409, 0.2488, 0.4158



58.9409, 0.1974, 0.3297

Triad

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



58.9409, 0.2488, 0.4158



58.9409, 0.2224, 0.2090



58.9409, 0.4711, 0.3679

Complementary

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



58.9409, 0.2488, 0.4158



16.9760, 0.5938, 0.3045

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.



58.9409, 0.4403, 0.3103



58.9409, 0.2488, 0.4158



58.9409, 0.2870, 0.2239

Square

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



58.9409, 0.2488, 0.4158



58.9409, 0.1852, 0.2189



58.9409, 0.3687, 0.2598



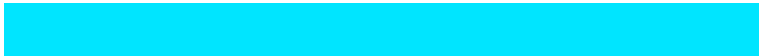
58.9409, 0.4520, 0.4251

Rectangle

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



58.9409, 0.2488, 0.4158



58.9409, 0.1799, 0.2788



58.9409, 0.3687, 0.2598



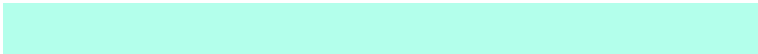
58.9409, 0.4665, 0.3484

Sweetspot

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



58.9473, 0.2488, 0.4158



87.0589, 0.2790, 0.3506



57.0396, 0.3106, 0.5916



18.3375, 0.2749, 0.3541



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.



58.9473, 0.2488, 0.4158



75.2065, 0.2490, 0.4163



36.5424, 0.2030, 0.2507



16.2696, 0.3016, 0.3351



33.7198, 0.2484, 0.4143



2.5067, 0.2445, 0.4002

Inverse Universe

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



16.9760, 0.5938, 0.3045



21.6500, 0.5952, 0.3052



19.2461, 0.6133, 0.3512



14.4287, 0.3252, 0.3230



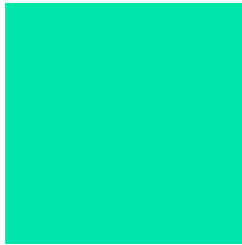
9.7215, 0.5900, 0.3024



0.7332, 0.5485, 0.2795

Previews

White Background



This preview shows how the Yxy color 58.9409, 0.2488, 0.4158 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 58.9409, 0.2488, 0.4158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

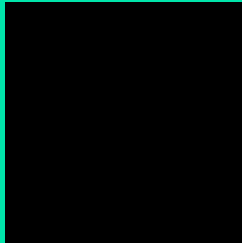
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9409, 0.2488, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 58.9409, 0.2488, 0.4158.

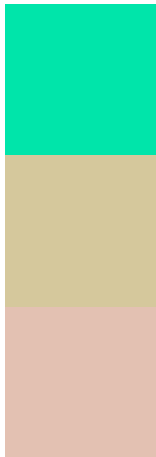


This preview shows how white text looks on a background with the Yxy color 58.9409, 0.2488, 0.4158.

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

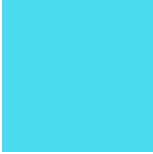
58.9409, 0.2488, 0.4158

Protanopia

57.8550, 0.3566, 0.3813

Deuteranopia

57.6852, 0.3528, 0.3462



Tritanopia

58.8153, 0.2277, 0.3054

Trichromacy



Original Color

58.9409, 0.2488, 0.4158



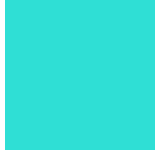
Protanomaly

54.3960, 0.2924, 0.3988



Deuteranomaly

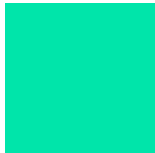
53.1671, 0.2886, 0.3715



Tritanomaly

58.1838, 0.2330, 0.3426

Monochromacy



Original Color

58.9409, 0.2488, 0.4158



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.1825, 0.2652, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9409, 0.2488, 0.4158 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(0, 229, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 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(0, 229, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 170) }
```

Border

The CSS property to change the border of an element to Yxy 58.9409, 0.2488, 0.4158 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(0, 229, 170) }
```

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

```
.border{ border-color:rgb(0, 229, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9409, 0.2488, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 170) }
```

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

```
.background{ background-color: rgb(0, 229,  
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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