

Converting Colors

$Y_{xy}(59.3443, 0.2476, 0.4112)$

Have a look what the booklet for
Yxy(59.3443, 0.2476, 0.4112)
contains.

Yxy(59.0622, 0.2476, 0.4110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.0622, 0.2476, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	02E5AD
RGB	2, 229, 173
RGB Percent	1%, 90%, 68%
CMY	0.9933, 0.1020, 0.3216
CMYK	0.99, 0.00, 0.24, 0.10
HSL	165°, 99%, 45%
HSV	165°, 99%, 90%
XYZ	35.5810, 59.0622, 49.0604
YIQ	154.7430, -117.3160, -65.5400

Conversions

Conversions Part 2

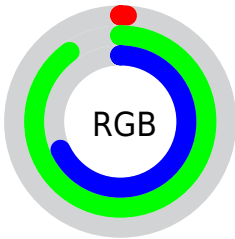
Format	Color
RYB	2, 131, 229
Decimal	189869
CIELab	81.33, -59.15, 14.48
CIELCh	81, 60.898, 166.249
Yxy	59.0622, 0.2476, 0.4110
Android (android.graphics.Color)	4278379949 (0xFF02E5AD)
YUV	154.7430, 9.0007, -133.9556
Hunter-Lab	76.8519, -51.8487, 15.9470

Details

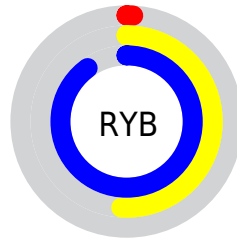
The Yxy color **59.0622, 0.2476, 0.4110** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.9969, 0.5953, 0.3058**, and the grayscale version is **32.6156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3726, 0.2521, 0.3614**, and **30.8855, 0.2522, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **59.0372, 0.2477, 0.4117**, and if you desaturate by 10%, it is **59.4783, 0.2467, 0.4019**.

Distribution



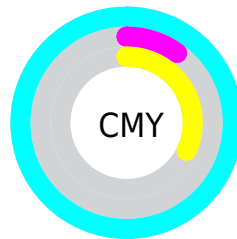
- Red (1%)
- Green (90%)
- Blue (68%)



- Red (1%)
- Yellow (51%)
- Blue (90%)



- Cyan (99%)
- Magenta (0%)
- Yellow (24%)
- Black (10%)




- Cyan (99%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0622, 0.2476, 0.4110 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 59.0622, 0.2476, 0.4110 by changing the saturation by 10% instead.


 59.0622, 0.2476,
0.4110

 59.0622, 0.2476,
0.4110


421.1324, 0.2796,
0.3696

 42.6632, 0.2398,
0.4214


 103.4681, 0.2591,
0.3959


 29.6209, 0.2299,
0.4347


 132.2437, 0.2635,
0.3903


 19.5510, 0.2171,
0.4525


 165.9137, 0.2672,
0.3855

 12.0691, 0.1996,
0.4773

 204.8624, 0.2703,
0.3814

 6.7908, 0.1748,
0.5138

 249.4742, 0.2731,
0.3779

 3.3316, 0.1374,
0.5724

300.1336, 0.2756,

 1.3072, 0.0000,

0.3748

0.7873

357.2248, 0.2777,
0.3720

■ 0.1468, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.0622, 0.2476,
0.4110

■ 59.0622, 0.2476,
0.4110

■ 59.0372, 0.2477,
0.4117

■ 59.4783, 0.2467,
0.4019

■ 60.1254, 0.2475,
0.3926

■ 61.0681, 0.2502,
0.3834

■ 62.3454, 0.2550,
0.3743

■ 63.9905, 0.2616,
0.3654

■ 66.0322, 0.2699,
0.3569

■ 68.4968, 0.2795,
0.3489

■ 71.4080, 0.2902,
0.3415

■ 74.7878, 0.3017,
0.3347

Harmonies

Analogous

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



59.0622, 0.3187, 0.4674



59.0622, 0.2476, 0.4110



59.0622, 0.1979, 0.3267

Triad

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



59.0622, 0.2476, 0.4110



59.0622, 0.2259, 0.2109



59.0622, 0.4684, 0.3699

Complementary

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



59.0622, 0.2476, 0.4110



16.9969, 0.5953, 0.3058

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.



59.0622, 0.4399, 0.3129



59.0622, 0.2476, 0.4110



59.0622, 0.2905, 0.2266

Square

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



59.0622, 0.2476, 0.4110



59.0622, 0.1880, 0.2198



59.0622, 0.3708, 0.2626



59.0622, 0.4482, 0.4259

Rectangle

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



59.0622, 0.2476, 0.4110



59.0622, 0.1815, 0.2774



59.0622, 0.3708, 0.2626



59.0622, 0.4645, 0.3506

Sweetspot

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



59.0645, 0.2476, 0.4110



87.1093, 0.2786, 0.3496



56.9555, 0.3097, 0.5919



18.3496, 0.2744, 0.3530



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.



59.0645, 0.2476, 0.4110



75.3337, 0.2478, 0.4122



35.2394, 0.2016, 0.2454



16.2725, 0.3014, 0.3349



33.7761, 0.2473, 0.4103



2.5104, 0.2436, 0.3969

Inverse Universe

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



16.9969, 0.5953, 0.3058



21.6169, 0.5987, 0.3072



19.7411, 0.6082, 0.3546



14.4259, 0.3254, 0.3232



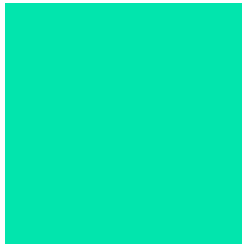
9.7059, 0.5936, 0.3043



0.7318, 0.5522, 0.2816

Previews

White Background



This preview shows how the Yxy color 59.0622, 0.2476, 0.4110 looks on a white background.

Color Contrast Check

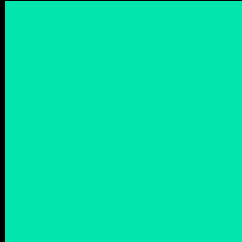
Large Text (above 18pt) WCAG AA × Fail

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 59.0622, 0.2476, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

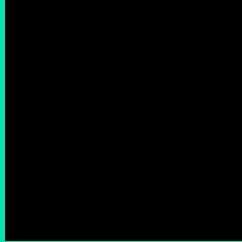
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0622, 0.2476, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 59.0622, 0.2476, 0.4110.

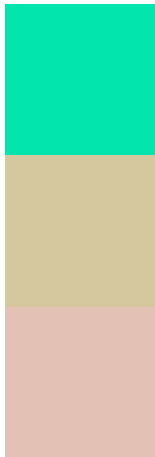


This preview shows how white text looks on a background with the Yxy color 59.0622, 0.2476, 0.4110.

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

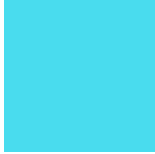
59.0687, 0.2476, 0.4110

Protanopia

57.9579, 0.3542, 0.3777

Deuteranopia

57.8070, 0.3504, 0.3428



Tritanopia

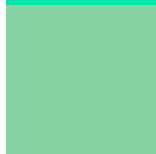
58.7759, 0.2274, 0.3054

Trichromacy



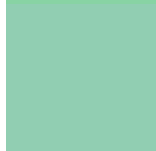
Original Color

59.0687, 0.2476, 0.4110



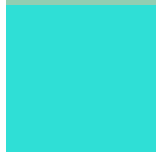
Protanomaly

54.5031, 0.2906, 0.3944



Deuteranomaly

53.3767, 0.2874, 0.3672



Tritanomaly

58.2347, 0.2326, 0.3412

Monochromacy



Original Color

59.0687, 0.2476, 0.4110



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.7172, 0.2647, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0622, 0.2476, 0.4110 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(2, 229, 173)` looks like.

```
.text, #text, p{  
    color:rgb(2, 229, 173)  
}
```

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(2, 229, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 229, 173) }
```

Border

The CSS property to change the border of an element to Yxy 59.0622, 0.2476, 0.4110 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(2, 229, 173) }
```

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

```
.border{ border-color:rgb(2, 229, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 229, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 229, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 229, 173);  
box-shadow:4px 4px 4px 4px rgb(2, 229,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0622, 0.2476, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 229, 173) }
```

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

```
.background{ background-color: rgb(2, 229,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor