

Converting Colors

$Y_{xy}(45.5939, 0.2332, 0.3813)$

Have a look what the booklet for
Yxy(45.5939, 0.2332, 0.3813)
contains.

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Color

Yxy(46.1260, 0.2393, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	01CCAB
RGB	1, 204, 171
RGB Percent	0%, 80%, 67%
CMY	0.9973, 0.2000, 0.3295
CMYK	1.00, 0.00, 0.16, 0.20
HSL	170°, 99%, 40%
HSV	170°, 100%, 80%
XYZ	28.9482, 46.1260, 45.8962
YIQ	139.5410, -110.3950, -53.2990

Conversions

Conversions Part 2

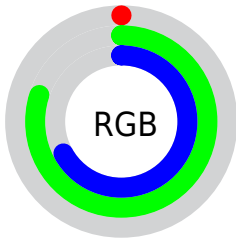
Format	Color
RYB	1, 111, 204
Decimal	117931
CIELab	73.63, -49.92, 4.57
CIELCh	74, 50.127, 174.767
Yxy	46.1260, 0.2393, 0.3813
Android (android.graphics.Color)	4278308011 (0xFF01CCAB)
YUV	139.5410, 15.5093, -121.5005
Hunter-Lab	67.9161, -42.7703, 7.4745

Details

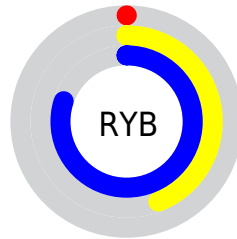
The Yxy color **46.1260, 0.2393, 0.3813** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.9655, 0.6171, 0.3176**, and the grayscale version is **25.9691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8946, 0.2510, 0.3641**, and **22.8268, 0.2426, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **46.1191, 0.2393, 0.3815**, and if you desaturate by 10%, it is **46.4116, 0.2393, 0.3756**.

Distribution



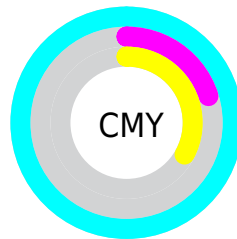
- Red (0%)
- Green (80%)
- Blue (67%)



- Red (0%)
- Yellow (44%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1260, 0.2393, 0.3813 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 46.1260, 0.2393, 0.3813 by changing the saturation by 10% instead.

 46.1260, 0.2393,
0.3813

 46.1260, 0.2393,
0.3813


371.3150, 0.2760,
0.3547


 32.3453, 0.2302,
0.3881


 84.4075, 0.2526,
0.3715


 21.6254, 0.2186,
0.3969


 109.6771, 0.2576,
0.3679


 13.5819, 0.2032,
0.4086


 139.5451, 0.2619,
0.3648

 7.8304, 0.1821,
0.4252

 174.3959, 0.2655,
0.3622

 3.9866, 0.1517,
0.4501

 214.6139, 0.2687,
0.3599

 1.6661, 0.0662,
0.5125

260.5835, 0.2714,

 0.4016, 0.0000,

0.3579

0.7735

312.6890, 0.2738,
0.3562

■ 0.0000, 0.0000,
0.0000

■ 46.1260, 0.2393,
0.3813

■ 46.1260, 0.2393,
0.3813

■ 46.1191, 0.2393,
0.3815

■ 46.4116, 0.2393,
0.3756

■ 46.8638, 0.2408,
0.3698

■ 47.5371, 0.2443,
0.3640

■ 48.4608, 0.2496,
0.3582

■ 49.6599, 0.2569,
0.3526

■ 51.1562, 0.2658,
0.3472

■ 52.9693, 0.2762,
0.3421

■ 55.1172, 0.2877,
0.3373

■ 57.6165, 0.3001,
0.3329

Harmonies

Analogous

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



46.1260, 0.3000, 0.4417



46.1260, 0.2393, 0.3813



46.1260, 0.2009, 0.3079

Triad

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



46.1260, 0.2393, 0.3813



46.1260, 0.2489, 0.2234



46.1260, 0.4518, 0.3827

Complementary

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



46.1260, 0.2393, 0.3813



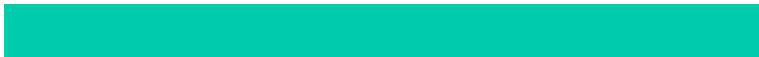
12.9655, 0.6171, 0.3176

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.



46.1260, 0.4381, 0.3300



46.1260, 0.2393, 0.3813



46.1260, 0.3130, 0.2435

Square

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



46.1260, 0.2393, 0.3813



46.1260, 0.2066, 0.2253



46.1260, 0.3848, 0.2811



46.1260, 0.4240, 0.4306

Rectangle

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



46.1260, 0.2393, 0.3813



46.1260, 0.1907, 0.2681



46.1260, 0.3848, 0.2811



46.1260, 0.4522, 0.3652

Sweetspot

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



46.1278, 0.2393, 0.3813



87.4898, 0.2754, 0.3425



43.5351, 0.3049, 0.5959



18.4414, 0.2708, 0.3446



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.



46.1278, 0.2393, 0.3813



76.3543, 0.2395, 0.3822



22.0360, 0.1933, 0.2158



12.6945, 0.3005, 0.3328



29.0409, 0.2391, 0.3807



1.5068, 0.2360, 0.3694

Inverse Universe

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



12.9655, 0.6171, 0.3176



21.4229, 0.6203, 0.3191



17.0280, 0.5881, 0.3709



11.2429, 0.3265, 0.3253



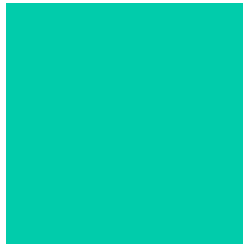
8.1587, 0.6152, 0.3162



0.4304, 0.5655, 0.2889

Previews

White Background



This preview shows how the Yxy color 46.1260, 0.2393, 0.3813 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 46.1260, 0.2393, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

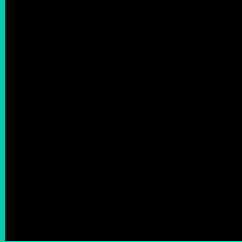
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

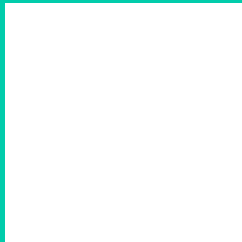
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1260, 0.2393, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 46.1260, 0.2393, 0.3813.



This preview shows how white text looks on a background with the Yxy color 46.1260, 0.2393, 0.3813.

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

46.1325, 0.2393, 0.3813

Protanopia

45.4002, 0.3381, 0.3567

Deuteranopia

45.3568, 0.3300, 0.3240



Tritanopia

46.1427, 0.2258, 0.3057

Trichromacy



Original Color

46.1325, 0.2393, 0.3813



Protanomaly

42.6039, 0.2785, 0.3669



Deuteranomaly

42.2287, 0.2742, 0.3437



Tritanomaly

45.7791, 0.2291, 0.3318

Monochromacy



Original Color

46.1325, 0.2393, 0.3813



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.5526, 0.2611, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1260, 0.2393, 0.3813 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, 204, 171)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 171)  
}
```

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, 204, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 171) }
```

Border

The CSS property to change the border of an element to Yxy 46.1260, 0.2393, 0.3813 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, 204, 171) }
```

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

```
.border{ border-color:rgb(1, 204, 171) }
```

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

Here you see how a box with a 4 pixel rgb(1, 204, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 171);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1260, 0.2393, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 171) }
```

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

```
.background{ background-color: rgb(1, 204,  
171) }
```

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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