

Converting Colors

$Y_{xy}(46.9940, 0.2480, 0.4129)$

Have a look what the booklet for
Yxy(46.9940, 0.2480, 0.4129)
contains.

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Color

Yxy(46.9922, 0.2480, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	00CF9B
RGB	0, 207, 155
RGB Percent	0%, 81%, 61%
CMY	1.0000, 0.1882, 0.3922
CMYK	1.00, 0.00, 0.25, 0.19
HSL	165°, 100%, 41%
HSV	165°, 100%, 81%
XYZ	28.2249, 46.9922, 38.5930
YIQ	139.1790, -106.6800, -60.0560

Conversions

Conversions Part 2

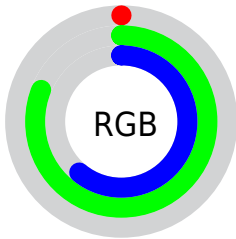
Format	Color
RYB	0, 118, 207
Decimal	53147
CIELab	74.18, -55.15, 13.95
CIELCh	74, 56.884, 165.803
Yxy	46.9922, 0.2480, 0.4129
Android (android.graphics.Color)	4278243227 (0xFF00CF9B)
YUV	139.1790, 7.7998, -122.0600
Hunter-Lab	68.5509, -46.4690, 14.6063

Details

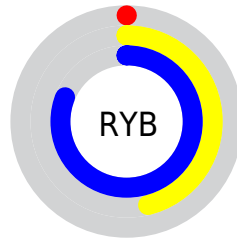
The Yxy color **46.9922, 0.2480, 0.4129** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.5148, 0.5944, 0.3048**, and the grayscale version is **25.8936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0567, 0.2579, 0.3847**, and **23.1327, 0.2533, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **46.9969, 0.2480, 0.4129**, and if you desaturate by 10%, it is **47.3316, 0.2471, 0.4036**.

Distribution



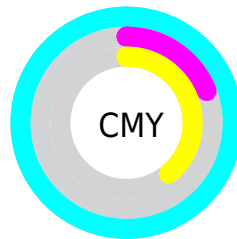
- Red (0%)
- Green (81%)
- Blue (61%)



- Red (0%)
- Yellow (46%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9922, 0.2480, 0.4129 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 46.9922, 0.2480, 0.4129 by changing the saturation by 10% instead.

 46.9922, 0.2480,
0.4129


 46.9922, 0.2480,
0.4129

374.7834, 0.2811,
0.3689


 33.0295, 0.2395,
0.4245


 85.7020, 0.2602,
0.3964

 22.1490, 0.2286,
0.4398


 111.2178, 0.2647,
0.3904


 13.9665, 0.2138,
0.4608


 141.3535, 0.2685,
0.3853

 8.0973, 0.1931,
0.4912

 176.4935, 0.2718,
0.3811

 4.1573, 0.1622,
0.5389

 217.0220, 0.2746,
0.3774

 1.7619, 0.0554,
0.6667

263.3236, 0.2771,

 0.4633, 0.0000,

0.3742

1.0000

315.7826, 0.2792,
0.3714

■ 0.0000, 0.0000,
0.0000

■ 46.9922, 0.2480,
0.4129

■ 46.9922, 0.2480,
0.4129

■ 46.9969, 0.2480,
0.4129

■ 47.3316, 0.2471,
0.4036

■ 47.8413, 0.2478,
0.3942

■ 48.5829, 0.2505,
0.3848

■ 49.5872, 0.2551,
0.3756

■ 50.8802, 0.2616,
0.3665

■ 52.4846, 0.2696,
0.3579

■ 54.4210, 0.2791,
0.3498

■ 56.7081, 0.2896,
0.3422

■ 59.3632, 0.3009,
0.3353

Harmonies

Analogous

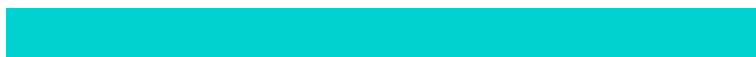
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9922, 0.3197, 0.4691



46.9922, 0.2480, 0.4129



46.9922, 0.1976, 0.3278

Triad

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



46.9922, 0.2480, 0.4129



46.9922, 0.2245, 0.2101



46.9922, 0.4695, 0.3691

Complementary

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



46.9922, 0.2480, 0.4129



13.5148, 0.5944, 0.3048

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.



46.9922, 0.4402, 0.3119



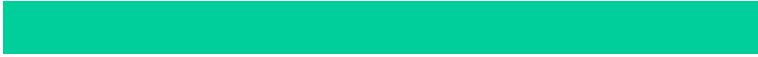
46.9922, 0.2480, 0.4129



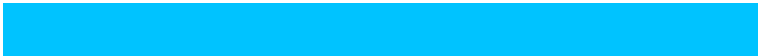
46.9922, 0.2891, 0.2255

Square

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



46.9922, 0.2480, 0.4129



46.9922, 0.1869, 0.2194



46.9922, 0.3700, 0.2615



46.9922, 0.4497, 0.4257

Rectangle

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



46.9922, 0.2480, 0.4129



46.9922, 0.1808, 0.2779



46.9922, 0.3700, 0.2615



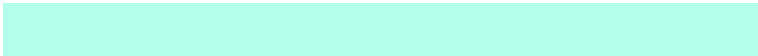
46.9922, 0.4654, 0.3497

Sweetspot

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



46.9969, 0.2480, 0.4129



87.0876, 0.2787, 0.3501



45.4482, 0.3110, 0.5913



18.3444, 0.2746, 0.3535



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.



46.9969, 0.2480, 0.4129



75.2787, 0.2483, 0.4140



29.2012, 0.2031, 0.2512



13.3542, 0.3016, 0.3349



29.6230, 0.2477, 0.4116



1.6686, 0.2429, 0.3945

Inverse Universe

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



13.5148, 0.5944, 0.3048



21.6309, 0.5972, 0.3063



15.4055, 0.6124, 0.3520



11.8563, 0.3252, 0.3232



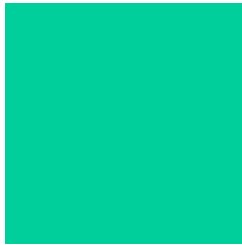
8.5270, 0.5910, 0.3029



0.4898, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 46.9922, 0.2480, 0.4129 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 46.9922, 0.2480, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

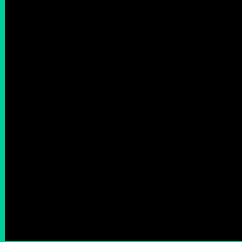
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9922, 0.2480, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 46.9922, 0.2480, 0.4129.

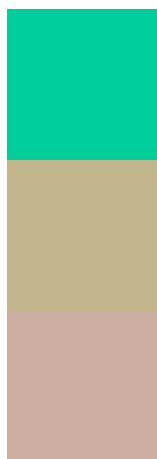


This preview shows how white text looks on a background with the Yxy color 46.9922, 0.2480, 0.4129.

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

46.9922, 0.2480, 0.4129

Protanopia

46.3382, 0.3558, 0.3799

Deuteranopia

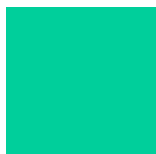
45.8599, 0.3515, 0.3441



Tritanopia

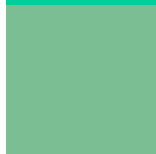
46.9114, 0.2278, 0.3059

Trichromacy



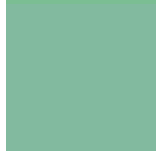
Original Color

46.9922, 0.2480, 0.4129



Protanomaly

43.1444, 0.2915, 0.3949



Deuteranomaly

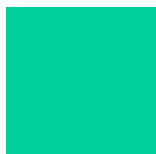
42.3668, 0.2881, 0.3696



Tritanomaly

46.5836, 0.2330, 0.3424

Monochromacy



Original Color

46.9922, 0.2480, 0.4129



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.6700, 0.2649, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9922, 0.2480, 0.4129 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, 207, 155)` looks like.

```
.text, #text, p{  
  color:rgb(0, 207, 155)  
}
```

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, 207, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 155) }
```

Border

The CSS property to change the border of an element to Yxy 46.9922, 0.2480, 0.4129 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, 207, 155) }
```

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

```
.border{ border-color:rgb(0, 207, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9922, 0.2480, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 155) }
```

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

```
.background{ background-color: rgb(0, 207,  
155) }
```

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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