

Converting Colors

$Y_{xy}(40.6770, 0.1796, 0.4097)$

Have a look what the booklet for
Yxy(40.6770, 0.1796, 0.4097)
contains.

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Color

Yxy(46.2359, 0.2444, 0.3998)

Conversions

Conversions Part 1

Format	Color
Hex	00CDA1
RGB	0, 205, 161
RGB Percent	0%, 80%, 63%
CMY	0.9996, 0.1961, 0.3687
CMYK	1.00, 0.00, 0.21, 0.20
HSL	167°, 100%, 40%
HSV	167°, 100%, 80%
XYZ	28.2643, 46.2359, 41.1474
YIQ	138.6890, -108.0560, -57.1440

Conversions

Conversions Part 2

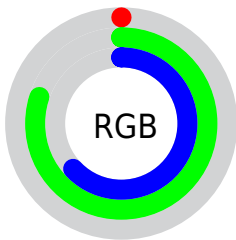
Format	Color
RYB	0, 115, 205
Decimal	52641
CIELab	73.70, -52.89, 10.06
CIELCh	74, 53.842, 169.236
Yxy	46.2359, 0.2444, 0.3998
Android (android.graphics.Color)	4278242721 (0xFF00CDA1)
YUV	138.6890, 10.9993, -121.6303
Hunter-Lab	67.9970, -44.7977, 11.7194

Details

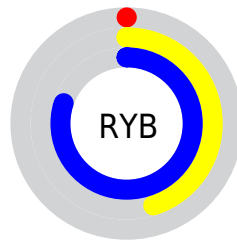
The Yxy color **46.2359, 0.2444, 0.3998** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.1647, 0.6048, 0.3106**, and the grayscale version is **25.6941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3614, 0.2553, 0.3769**, and **22.5990, 0.2491, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **46.2362, 0.2444, 0.3998**, and if you desaturate by 10%, it is **46.5503, 0.2439, 0.3920**.

Distribution



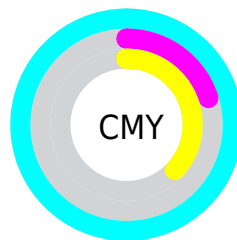
- Red (0%)
- Green (80%)
- Blue (63%)



- Red (0%)
- Yellow (45%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2359, 0.2444, 0.3998 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 46.2359, 0.2444, 0.3998 by changing the saturation by 10% instead.


 46.2359, 0.2444,
0.3998

 46.2359, 0.2444,
0.3998


371.7562, 0.2790,
0.3630

 32.4320, 0.2357,
0.4094


 84.5719, 0.2571,
0.3861


 21.6917, 0.2244,
0.4221


 109.8729, 0.2618,
0.3810


 13.6305, 0.2093,
0.4393


 139.7749, 0.2658,
0.3768

 7.8642, 0.1884,
0.4641

 174.6626, 0.2692,
0.3732

 4.0081, 0.1576,
0.5027

 214.9201, 0.2722,
0.3701

 1.6781, 0.0541,
0.6044


260.9320, 0.2748,


 0.4094, 0.0000,


0.3674


1.0000


313.0825, 0.2770,
0.3651


 0.0000, 0.0000,
0.0000


 46.2359, 0.2444,
0.3998


 46.2359, 0.2444,
0.3998


 46.2362, 0.2444,
0.3998

 46.5503, 0.2439,
0.3920

 47.0324, 0.2449,
0.3841

 47.7395, 0.2479,
0.3762

 48.7016, 0.2528,
0.3684

 49.9439, 0.2596,
0.3608

■ 51.4887, 0.2680,
0.3535

■ 53.3559, 0.2778,
0.3466

■ 55.5639, 0.2887,
0.3402

■ 58.1293, 0.3005,
0.3343

Harmonies

Analogous

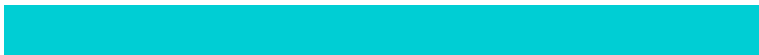
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2359, 0.3117, 0.4582



46.2359, 0.2444, 0.3998



46.2359, 0.1989, 0.3194

Triad

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



46.2359, 0.2444, 0.3998



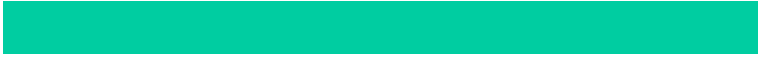
46.2359, 0.2343, 0.2154



46.2359, 0.4624, 0.3747

Complementary

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



46.2359, 0.2444, 0.3998



13.1647, 0.6048, 0.3106

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.



46.2359, 0.4396, 0.3193



46.2359, 0.2444, 0.3998



46.2359, 0.2988, 0.2327

Square

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



46.2359, 0.2444, 0.3998



46.2359, 0.1947, 0.2217



46.2359, 0.3762, 0.2694



46.2359, 0.4393, 0.4279

Rectangle

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



46.2359, 0.2444, 0.3998



46.2359, 0.1847, 0.2737



46.2359, 0.3762, 0.2694



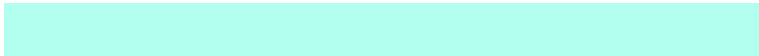
46.2359, 0.4601, 0.3560

Sweetspot

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



46.2377, 0.2444, 0.3998



87.2507, 0.2773, 0.3469



44.2110, 0.3076, 0.5940



18.3836, 0.2730, 0.3498



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.



46.2377, 0.2444, 0.3998



75.7006, 0.2447, 0.4008



25.2603, 0.1982, 0.2334



12.6842, 0.3012, 0.3340



28.7972, 0.2441, 0.3987



1.4962, 0.2398, 0.3834

Inverse Universe

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



13.1647, 0.6048, 0.3106



21.5337, 0.6077, 0.3121



16.0222, 0.6012, 0.3608



11.2525, 0.3257, 0.3240



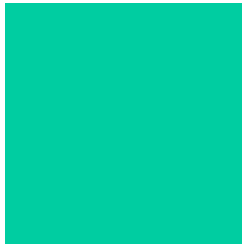
8.2050, 0.6017, 0.3088



0.4348, 0.5460, 0.2782

Previews

White Background



This preview shows how the Yxy color 46.2359, 0.2444, 0.3998 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 46.2359, 0.2444, 0.3998 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 46.2359, 0.2444, 0.3998

Background



This preview shows how black text looks on a background with the Yxy color 46.2359, 0.2444, 0.3998.



This preview shows how white text looks on a background with the Yxy color 46.2359, 0.2444, 0.3998.

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

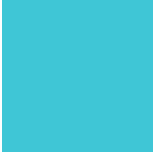
46.2359, 0.2444, 0.3998

Protanopia

45.3255, 0.3485, 0.3699

Deuteranopia

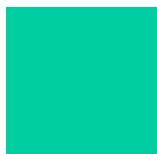
45.1318, 0.3426, 0.3354



Tritanopia

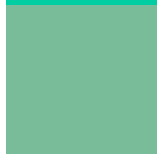
46.3000, 0.2271, 0.3058

Trichromacy



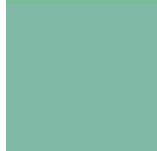
Original Color

46.2359, 0.2444, 0.3998



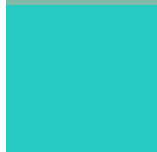
Protanomaly

42.3313, 0.2859, 0.3828



Deuteranomaly

42.0037, 0.2824, 0.3590



Tritanomaly

46.1645, 0.2313, 0.3378

Monochromacy



Original Color

46.2359, 0.2444, 0.3998



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.3757, 0.2632, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2359, 0.2444, 0.3998 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, 205, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 161)  
}
```

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, 205, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 161) }
```

Border

The CSS property to change the border of an element to Yxy 46.2359, 0.2444, 0.3998 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, 205, 161) }
```

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

```
.border{ border-color:rgb(0, 205, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2359, 0.2444, 0.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 161) }
```

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

```
.background{ background-color: rgb(0, 205,  
161) }
```

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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