

Converting Colors

$Yxy(46.0368, 0.2404, 0.3853)$

Have a look what the booklet for
Yxy(46.0368, 0.2404, 0.3853)
contains.

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Color

Yxy(46.0568, 0.2403, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	02CCA9
RGB	2, 204, 169
RGB Percent	1%, 80%, 66%
CMY	0.9941, 0.2000, 0.3374
CMYK	0.99, 0.00, 0.17, 0.20
HSL	170°, 99%, 40%
HSV	170°, 99%, 80%
XYZ	28.7690, 46.0568, 44.8955
YIQ	139.6120, -109.1570, -53.7090

Conversions

Conversions Part 2

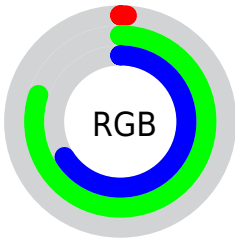
Format	Color
RYB	2, 113, 204
Decimal	183465
CIELab	73.58, -50.42, 5.59
CIELCh	74, 50.729, 173.671
Yxy	46.0568, 0.2403, 0.3847
Android (android.graphics.Color)	4278373545 (0xFF02CCA9)
YUV	139.6120, 14.4883, -120.6857
Hunter-Lab	67.8652, -43.0953, 8.2829

Details

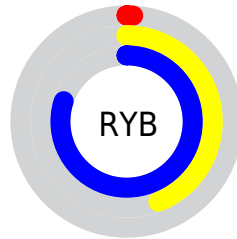
The Yxy color **46.0568, 0.2403, 0.3847** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.0004, 0.6137, 0.3160**, and the grayscale version is **25.9792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7854, 0.2518, 0.3666**, and **22.7792, 0.2439, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **46.0392, 0.2403, 0.3852**, and if you desaturate by 10%, it is **46.3526, 0.2402, 0.3785**.

Distribution



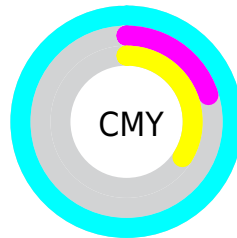
- Red (1%)
- Green (80%)
- Blue (66%)



- Red (1%)
- Yellow (44%)
- Blue (80%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (99%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0568, 0.2403, 0.3847 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 46.0568, 0.2403, 0.3847 by changing the saturation by 10% instead.


 46.0568, 0.2403,
0.3847


 46.0568, 0.2403,
0.3847


371.0370, 0.2766,
0.3562

 32.2906, 0.2313,
0.3920


 84.3040, 0.2535,
0.3742


 21.5836, 0.2197,
0.4015


 109.5538, 0.2584,
0.3703


 13.5513, 0.2044,
0.4143


 139.4003, 0.2626,
0.3670

 7.8092, 0.1833,
0.4324

 174.2279, 0.2662,
0.3642

 3.9731, 0.1528,
0.4598

 214.4210, 0.2693,
0.3618

 1.6585, 0.0633,
0.5296

260.3639, 0.2721,

 0.3966, 0.0000,

0.3597

0.9067

312.4411, 0.2745,
0.3578

■ 0.0000, 0.0000,
0.0000

■ 46.0568, 0.2403,
0.3847

■ 46.0568, 0.2403,
0.3847

■ 46.0392, 0.2403,
0.3852

■ 46.3526, 0.2402,
0.3785

■ 46.8197, 0.2418,
0.3723

■ 47.5096, 0.2452,
0.3661

■ 48.4514, 0.2506,
0.3600

■ 49.6700, 0.2578,
0.3540

■ 51.1870, 0.2667,
0.3482

■ 53.0220, 0.2770,
0.3428

■ 55.1930, 0.2885,
0.3377

■ 57.7164, 0.3008,
0.3330

Harmonies

Analogous

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



46.0568, 0.3022, 0.4448



46.0568, 0.2403, 0.3847



46.0568, 0.2006, 0.3100

Triad

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



46.0568, 0.2403, 0.3847



46.0568, 0.2461, 0.2219



46.0568, 0.4537, 0.3812

Complementary

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



46.0568, 0.2403, 0.3847



13.0004, 0.6137, 0.3160

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.



46.0568, 0.4384, 0.3280



46.0568, 0.2403, 0.3847



46.0568, 0.3104, 0.2415

Square

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



46.0568, 0.2403, 0.3847



46.0568, 0.2044, 0.2247



46.0568, 0.3831, 0.2789



46.0568, 0.4268, 0.4301

Rectangle

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



46.0568, 0.2403, 0.3847



46.0568, 0.1896, 0.2692



46.0568, 0.3831, 0.2789



46.0568, 0.4536, 0.3635

Sweetspot

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



46.0586, 0.2403, 0.3847



87.4411, 0.2758, 0.3434



43.6127, 0.3058, 0.5949



18.4296, 0.2713, 0.3457



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.



46.0586, 0.2403, 0.3847



76.2178, 0.2405, 0.3859



23.0888, 0.1952, 0.2223



12.6924, 0.3006, 0.3330



28.9901, 0.2401, 0.3843



1.5046, 0.2367, 0.3722

Inverse Universe

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



13.0004, 0.6137, 0.3160



21.4427, 0.6180, 0.3178



16.6933, 0.5914, 0.3679



11.2448, 0.3263, 0.3250



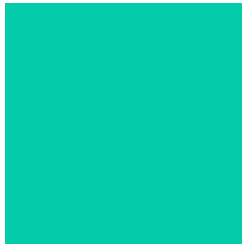
8.1671, 0.6127, 0.3149



0.4313, 0.5614, 0.2866

Previews

White Background



This preview shows how the Yxy color 46.0568, 0.2403, 0.3847 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 46.0568, 0.2403, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

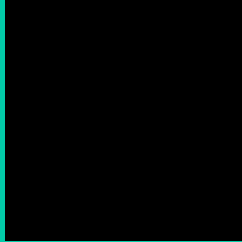
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

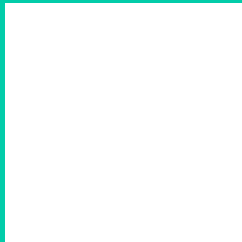
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0568, 0.2403, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 46.0568, 0.2403, 0.3847.

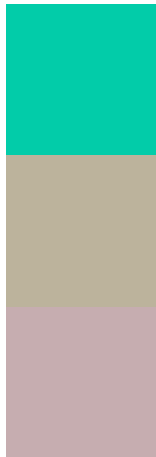


This preview shows how white text looks on a background with the Yxy color 46.0568, 0.2403, 0.3847.

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

46.0632, 0.2403, 0.3847

Protanopia

45.3319, 0.3398, 0.3594

Deuteranopia

45.0275, 0.3328, 0.3253



Tritanopia

46.1730, 0.2260, 0.3057

Trichromacy



Original Color

46.0632, 0.2403, 0.3847



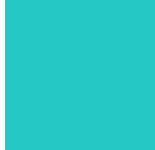
Protanomaly

42.5327, 0.2798, 0.3701



Deuteranomaly

41.8101, 0.2761, 0.3453



Tritanomaly

45.7978, 0.2293, 0.3318

Monochromacy



Original Color

46.0632, 0.2403, 0.3847



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.5202, 0.2618, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0568, 0.2403, 0.3847 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, 204, 169)` looks like.

```
.text, #text, p{  
    color:rgb(2, 204, 169)  
}
```

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, 204, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 204, 169) }
```

Border

The CSS property to change the border of an element to Yxy 46.0568, 0.2403, 0.3847 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, 204, 169) }
```

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

```
.border{ border-color:rgb(2, 204, 169) }
```

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

Here you see how a box with a 4 pixel rgb(2, 204, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 204, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 204, 169);  
box-shadow:4px 4px 4px 4px rgb(2, 204,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0568, 0.2403, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 204, 169) }
```

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

```
.background{ background-color: rgb(2, 204,  
169) }
```

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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