

Converting Colors

$Yxy(44.9924, 0.2161, 0.3716)$

Have a look what the booklet for
Yxy(44.9924, 0.2161, 0.3716)
contains.

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Color

Yxy(46.9173, 0.2360, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	01CDB3
RGB	1, 205, 179
RGB Percent	0%, 80%, 70%
CMY	0.9968, 0.1961, 0.2981
CMYK	1.00, 0.00, 0.13, 0.20
HSL	172°, 99%, 40%
HSV	172°, 100%, 80%
XYZ	29.9742, 46.9173, 50.1179
YIQ	141.0400, -113.2380, -51.3340

Conversions

Conversions Part 2

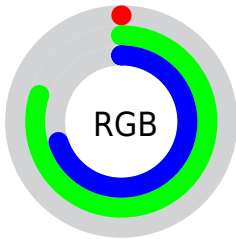
Format	Color
RYB	1, 110, 205
Decimal	118195
CIELab	74.14, -48.19, 0.99
CIELCh	74, 48.196, 178.827
Yxy	46.9173, 0.2360, 0.3694
Android (android.graphics.Color)	4278308275 (0xFF01CDB3)
YUV	141.0400, 18.7143, -122.8151
Hunter-Lab	68.4962, -41.7560, 4.5655

Details

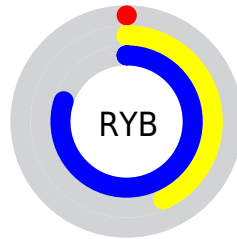
The Yxy color **46.9173, 0.2360, 0.3694** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.0740, 0.6241, 0.3215**, and the grayscale version is **26.5847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4612, 0.2476, 0.3528**, and **23.3191, 0.2387, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **46.9098, 0.2360, 0.3696**, and if you desaturate by 10%, it is **47.1833, 0.2363, 0.3650**.

Distribution



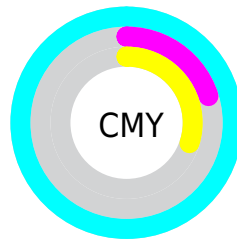
- Red (0%)
- Green (80%)
- Blue (70%)



- Red (0%)
- Yellow (43%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9173, 0.2360, 0.3694 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 46.9173, 0.2360, 0.3694 by changing the saturation by 10% instead.


 46.9173, 0.2360,
0.3694


 46.9173, 0.2360,
0.3694


374.4843, 0.2740,
0.3493


 32.9703, 0.2267,
0.3744


 85.5902, 0.2497,
0.3621


 22.1037, 0.2149,
0.3807


 111.0848, 0.2548,
0.3594

 13.9331, 0.1995,
0.3890


 141.1974, 0.2592,
0.3571

 8.0742, 0.1785,
0.4003

 176.3125, 0.2630,
0.3551

 4.1424, 0.1487,
0.4167

 216.8143, 0.2663,
0.3534

 1.7536, 0.0805,
0.4534

263.0872, 0.2692,

 0.4580, 0.0000,

0.3518

0.5159

315.5158, 0.2717,
0.3505

■ 0.0000, 0.0000,
0.0000

■ 46.9173, 0.2360,
0.3694

■ 46.9173, 0.2360,
0.3694

■ 46.9098, 0.2360,
0.3696

■ 47.1833, 0.2363,
0.3650

■ 47.6173, 0.2381,
0.3606

■ 48.2738, 0.2419,
0.3561

■ 49.1826, 0.2475,
0.3517

■ 50.3687, 0.2550,
0.3473

■ 51.8544, 0.2642,
0.3432

■ 53.6594, 0.2749,
0.3392

■ 55.8018, 0.2869,
0.3355

■ 58.2985, 0.2997,
0.3320

Harmonies

Analogous

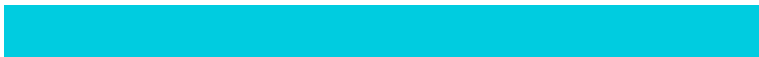
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9173, 0.2922, 0.4305



46.9173, 0.2360, 0.3694



46.9173, 0.2023, 0.3006

Triad

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



46.9173, 0.2360, 0.3694



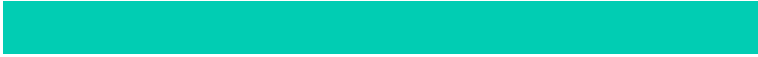
46.9173, 0.2589, 0.2288



46.9173, 0.4445, 0.3880

Complementary

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



46.9173, 0.2360, 0.3694



13.0740, 0.6241, 0.3215

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.



46.9173, 0.4368, 0.3373



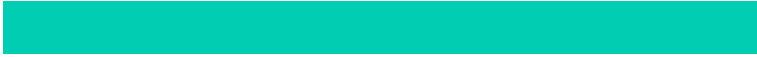
46.9173, 0.2360, 0.3694



46.9173, 0.3225, 0.2507

Square

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



46.9173, 0.2360, 0.3694



46.9173, 0.2148, 0.2277



46.9173, 0.3902, 0.2891



46.9173, 0.4136, 0.4319

Rectangle

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



46.9173, 0.2360, 0.3694



46.9173, 0.1948, 0.2646



46.9173, 0.3902, 0.2891



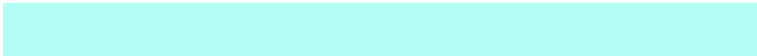
46.9173, 0.4466, 0.3713

Sweetspot

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



46.9191, 0.2360, 0.3694



87.6526, 0.2740, 0.3395



43.9087, 0.3034, 0.5970



18.4808, 0.2693, 0.3412



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.



46.9191, 0.2360, 0.3694



76.8222, 0.2362, 0.3701



20.4111, 0.1900, 0.2038



12.7015, 0.3000, 0.3320



29.2149, 0.2358, 0.3689



1.5142, 0.2334, 0.3603

Inverse Universe

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



13.0740, 0.6241, 0.3215



21.3669, 0.6269, 0.3227



18.1041, 0.5791, 0.3779



11.2365, 0.3270, 0.3261



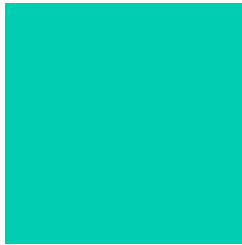
8.1345, 0.6225, 0.3203



0.4275, 0.5796, 0.2966

Previews

White Background



This preview shows how the Yxy color 46.9173, 0.2360, 0.3694 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 46.9173, 0.2360, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

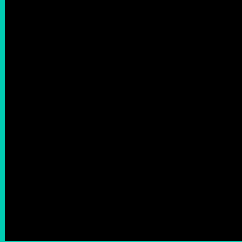
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

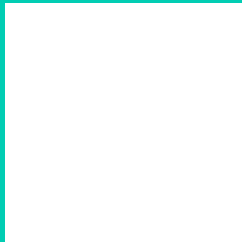
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9173, 0.2360, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 46.9173, 0.2360, 0.3694.

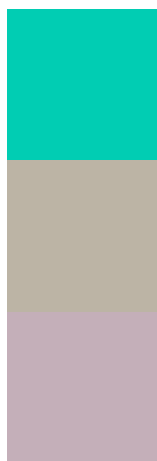


This preview shows how white text looks on a background with the Yxy color 46.9173, 0.2360, 0.3694.

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

46.9238, 0.2360, 0.3694

Protanopia

46.0505, 0.3320, 0.3487

Deuteranopia

45.8985, 0.3230, 0.3165



Tritanopia

47.0786, 0.2249, 0.3058

Trichromacy



Original Color

46.9238, 0.2360, 0.3694



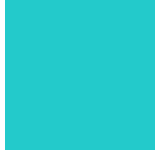
Protanomaly

43.2905, 0.2741, 0.3574



Deuteranomaly

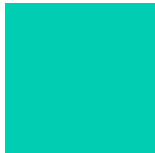
42.8967, 0.2685, 0.3333



Tritanomaly

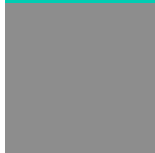
46.9102, 0.2274, 0.3273

Monochromacy



Original Color

46.9238, 0.2360, 0.3694



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.0911, 0.2593, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9173, 0.2360, 0.3694 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, 205, 179)` looks like.

```
.text, #text, p{  
    color:rgb(1, 205, 179)  
}
```

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, 205, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 205, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.9173, 0.2360, 0.3694 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, 205, 179) }
```

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

```
.border{ border-color:rgb(1, 205, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 205, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 205, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 205, 179);  
box-shadow:4px 4px 4px 4px rgb(1, 205,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9173, 0.2360, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 205, 179) }
```

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

```
.background{ background-color: rgb(1, 205,  
179) }
```

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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