

Converting Colors

$Y_{xy}(46.4919, 0.2332, 0.3595)$

Have a look what the booklet for
Yxy(46.4919, 0.2332, 0.3595)
contains.

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Color

Yxy(46.6464, 0.2333, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	00CCB8
RGB	0, 204, 184
RGB Percent	0%, 80%, 72%
CMY	0.9989, 0.2000, 0.2785
CMYK	1.00, 0.00, 0.10, 0.20
HSL	174°, 100%, 40%
HSV	174°, 100%, 80%
XYZ	30.2463, 46.6464, 52.7527
YIQ	140.7240, -115.1640, -49.4680

Conversions

Conversions Part 2

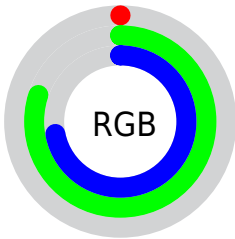
Format	Color
RYB	0, 107, 204
Decimal	52408
CIELab	73.96, -46.41, -1.97
CIELCh	74, 46.452, 182.434
Yxy	46.6464, 0.2333, 0.3598
Android (android.graphics.Color)	4278242488 (0xFF00CCB8)
YUV	140.7240, 21.3351, -123.4149
Hunter-Lab	68.2982, -40.4720, 2.0138

Details

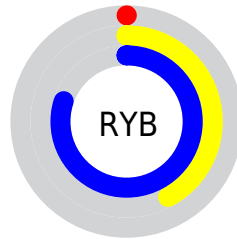
The Yxy color **46.6464, 0.2333, 0.3598** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.8952, 0.6294, 0.3242**, and the grayscale version is **26.5060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7543, 0.2455, 0.3466**, and **23.1336, 0.2351, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **46.6451, 0.2333, 0.3598**, and if you desaturate by 10%, it is **46.8870, 0.2339, 0.3565**.

Distribution



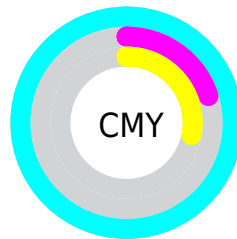
- Red (0%)
- Green (80%)
- Blue (72%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6464, 0.2333, 0.3598 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 46.6464, 0.2333, 0.3598 by changing the saturation by 10% instead.


 46.6464, 0.2333,
0.3598

 46.6464, 0.2333,
0.3598

373.4013, 0.2724,
0.3449


 32.7562, 0.2238,
0.3634


 85.1856, 0.2473,
0.3545

 21.9398, 0.2117,
0.3678


 110.6033, 0.2527,
0.3525


 13.8126, 0.1961,
0.3735


 140.6324, 0.2572,
0.3507

 7.9905, 0.1749,
0.3811

 175.6572, 0.2611,
0.3492

 4.0888, 0.1450,
0.3913

 216.0621, 0.2645,
0.3479

 1.7234, 0.0808,
0.4143

262.2315, 0.2674,

 0.4387, 0.0000,

0.3468

0.4161

314.5498, 0.2701,
0.3458

■ 0.0000, 0.0000,
0.0000

■ 46.6464, 0.2333,
0.3598

■ 46.6464, 0.2333,
0.3598

■ 46.6451, 0.2333,
0.3598

■ 46.8870, 0.2339,
0.3565

■ 47.2900, 0.2359,
0.3531

■ 47.9114, 0.2397,
0.3497

■ 48.7808, 0.2455,
0.3464

■ 49.9230, 0.2532,
0.3431

■ 51.3600, 0.2626,
0.3399

■ 53.1113, 0.2736,
0.3369

■ 55.1950, 0.2858,
0.3340

■ 57.6277, 0.2990,
0.3314

Harmonies

Analogous

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



46.6464, 0.2858, 0.4211



46.6464, 0.2333, 0.3598



46.6464, 0.2035, 0.2948

Triad

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



46.6464, 0.2333, 0.3598



46.6464, 0.2673, 0.2333



46.6464, 0.4384, 0.3923

Complementary

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



46.6464, 0.2333, 0.3598



12.8952, 0.6294, 0.3242

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.



46.6464, 0.4356, 0.3433



46.6464, 0.2333, 0.3598



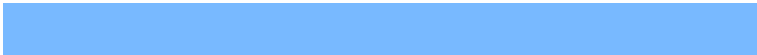
46.6464, 0.3304, 0.2568

Square

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



46.6464, 0.2333, 0.3598



46.6464, 0.2217, 0.2297



46.6464, 0.3945, 0.2957



46.6464, 0.4051, 0.4328

Rectangle

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



46.6464, 0.2333, 0.3598



46.6464, 0.1982, 0.2618



46.6464, 0.3945, 0.2957



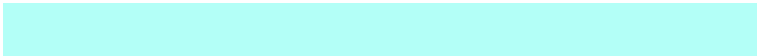
46.6464, 0.4419, 0.3763

Sweetspot

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



46.6482, 0.2333, 0.3598



87.7897, 0.2730, 0.3370



43.3422, 0.3022, 0.5982



18.5140, 0.2681, 0.3383



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.



46.6482, 0.2333, 0.3598



77.2307, 0.2334, 0.3603



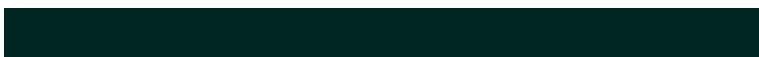
18.4073, 0.1866, 0.1916



12.7073, 0.2996, 0.3313



29.3667, 0.2332, 0.3594



1.5206, 0.2314, 0.3528

Inverse Universe

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



12.8952, 0.6294, 0.3242



21.3304, 0.6313, 0.3251



18.8383, 0.5704, 0.3851



11.2313, 0.3275, 0.3268



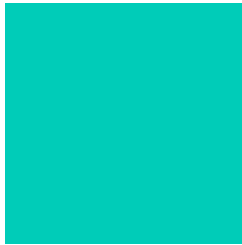
8.1182, 0.6276, 0.3231



0.4251, 0.5921, 0.3035

Previews

White Background



This preview shows how the Yxy color 46.6464, 0.2333, 0.3598 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 46.6464, 0.2333, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

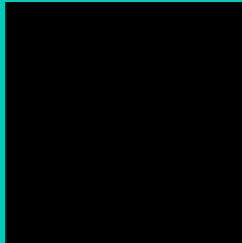
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

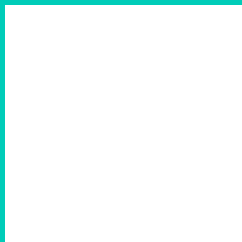
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6464, 0.2333, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 46.6464, 0.2333, 0.3598.

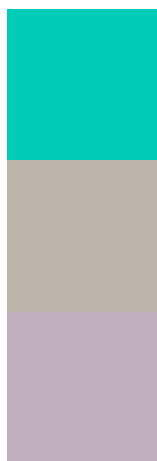


This preview shows how white text looks on a background with the Yxy color 46.6464, 0.2333, 0.3598.

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

46.6464, 0.2333, 0.3598

Protanopia

45.9839, 0.3261, 0.3421

Deuteranopia

45.7151, 0.3162, 0.3101



Tritanopia

46.5348, 0.2239, 0.3043

Trichromacy



Original Color

46.6464, 0.2333, 0.3598



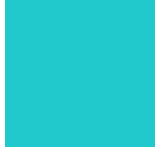
Protanomaly

43.3419, 0.2696, 0.3498



Deuteranomaly

42.9596, 0.2641, 0.3259



Tritanomaly

46.4563, 0.2263, 0.3243

Monochromacy



Original Color

46.6464, 0.2333, 0.3598



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.1589, 0.2579, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6464, 0.2333, 0.3598 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, 204, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 184)  
}
```

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, 204, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 184) }
```

Border

The CSS property to change the border of an element to Yxy 46.6464, 0.2333, 0.3598 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, 204, 184) }
```

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

```
.border{ border-color:rgb(0, 204, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6464, 0.2333, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 184) }
```

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

```
.background{ background-color: rgb(0, 204,  
184) }
```

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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