

Converting Colors

$Y_{xy}(41.6691, 0.2126, 0.3535)$

Have a look what the booklet for
Yxy(41.6691, 0.2126, 0.3535)
contains.

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Color

Yxy(43.3099, 0.2313, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	00C5B6
RGB	0, 197, 182
RGB Percent	0%, 77%, 71%
CMY	0.9989, 0.2274, 0.2863
CMYK	1.00, 0.00, 0.08, 0.23
HSL	175°, 100%, 39%
HSV	175°, 100%, 77%
XYZ	28.4106, 43.3099, 51.1096
YIQ	136.3870, -112.5970, -46.4290

Conversions

Conversions Part 2

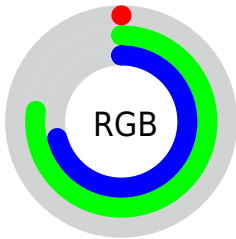
Format	Color
RYB	0, 102, 197
Decimal	50614
CIELab	71.76, -43.99, -4.11
CIELCh	72, 44.178, 185.344
Yxy	43.3099, 0.2313, 0.3526
Android (android.graphics.Color)	4278240694 (0xFF00C5B6)
YUV	136.3870, 22.4872, -119.6114
Hunter-Lab	65.8103, -38.1086, 0.0213

Details

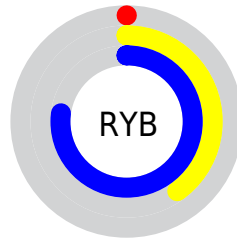
The Yxy color **43.3099, 0.2313, 0.3526** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.9116, 0.6321, 0.3257**, and the grayscale version is **24.7503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9402, 0.2458, 0.3479**, and **20.9310, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **43.3089, 0.2313, 0.3526**, and if you desaturate by 10%, it is **43.5207, 0.2321, 0.3501**.

Distribution



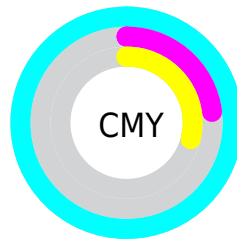
- Red (0%)
- Green (77%)
- Blue (71%)



- Red (0%)
- Yellow (40%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3099, 0.2313, 0.3526 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 43.3099, 0.2313, 0.3526 by changing the saturation by 10% instead.


 43.3099, 0.2313,
0.3526


 43.3099, 0.2313,
0.3526


359.8847, 0.2717,
0.3414


 30.1283, 0.2214,
0.3552


 80.1783, 0.2459,
0.3487


 19.9360, 0.2087,
0.3584


 104.6339, 0.2514,
0.3472

 12.3485, 0.1922,
0.3623


 133.6164, 0.2561,
0.3459

 6.9815, 0.1698,
0.3673

 167.5100, 0.2601,
0.3447

 3.4505, 0.1379,
0.3734

 206.6993, 0.2636,
0.3437

 1.3712, 0.0476,
0.3977

251.5686, 0.2666,

 0.1954, 0.0000,

0.3429

0.2808

302.5022, 0.2693,
0.3421

■ 0.0000, 0.0000,
0.0000

■ 43.3099, 0.2313,
0.3526

■ 43.3099, 0.2313,
0.3526

■ 43.3089, 0.2313,
0.3526

■ 43.5207, 0.2321,
0.3501

■ 43.8800, 0.2343,
0.3475

■ 44.4405, 0.2383,
0.3449

■ 45.2291, 0.2443,
0.3424

■ 46.2687, 0.2521,
0.3398

■ 47.5795, 0.2617,
0.3374

■ 49.1793, 0.2728,
0.3351

■ 51.0846, 0.2853,
0.3329

■ 53.3108, 0.2987,
0.3308

Harmonies

Analogous

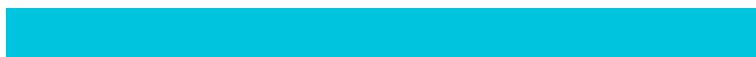
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3099, 0.2809, 0.4139



43.3099, 0.2313, 0.3526



43.3099, 0.2045, 0.2905

Triad

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



43.3099, 0.2313, 0.3526



43.3099, 0.2738, 0.2368



43.3099, 0.4336, 0.3956

Complementary

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



43.3099, 0.2313, 0.3526



11.9116, 0.6321, 0.3257

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.



43.3099, 0.4345, 0.3480



43.3099, 0.2313, 0.3526



43.3099, 0.3364, 0.2615

Square

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



43.3099, 0.2313, 0.3526



43.3099, 0.2271, 0.2313



43.3099, 0.3977, 0.3008



43.3099, 0.3985, 0.4332

Rectangle

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



43.3099, 0.2313, 0.3526



43.3099, 0.2009, 0.2597



43.3099, 0.3977, 0.3008



43.3099, 0.4382, 0.3802

Sweetspot

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



43.3115, 0.2313, 0.3526



87.8938, 0.2721, 0.3352



40.0497, 0.3018, 0.5985



18.5393, 0.2672, 0.3362



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.



43.3115, 0.2313, 0.3526



77.5493, 0.2314, 0.3530



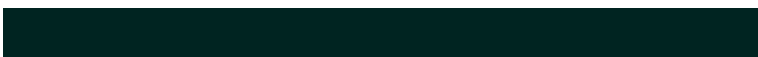
16.3012, 0.1850, 0.1860



12.0531, 0.2994, 0.3307



28.4915, 0.2312, 0.3523



1.3533, 0.2297, 0.3470

Inverse Universe

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



11.9116, 0.6321, 0.3257



21.3086, 0.6340, 0.3266



17.9421, 0.5653, 0.3892



10.6499, 0.3278, 0.3273



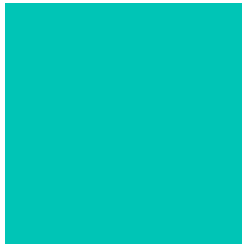
7.8353, 0.6307, 0.3248



0.3757, 0.6001, 0.3079

Previews

White Background



This preview shows how the Yxy color 43.3099, 0.2313, 0.3526 looks on a white background.

Color Contrast Check

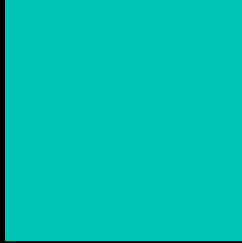
Large Text (above 18pt) WCAG AA × Fail

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 43.3099, 0.2313, 0.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

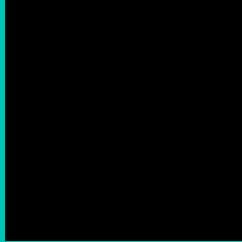
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

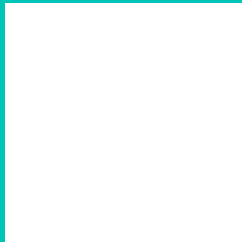
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.3099, 0.2313, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 43.3099, 0.2313, 0.3526.

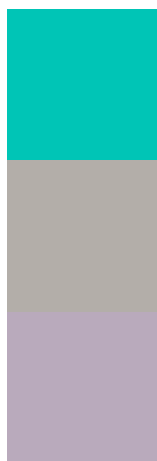


This preview shows how white text looks on a background with the Yxy color 43.3099, 0.2313, 0.3526.

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

43.3099, 0.2313, 0.3526

Protanopia

42.7204, 0.3214, 0.3358

Deuteranopia

42.6946, 0.3111, 0.3057



Tritanopia

43.3477, 0.2234, 0.3050

Trichromacy



Original Color

43.3099, 0.2313, 0.3526



Protanomaly

40.0893, 0.2664, 0.3411



Deuteranomaly

40.0392, 0.2609, 0.3199



Tritanomaly

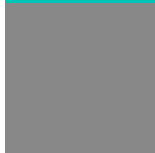
42.9831, 0.2251, 0.3211

Monochromacy



Original Color

43.3099, 0.2313, 0.3526



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.7799, 0.2571, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3099, 0.2313, 0.3526 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, 197, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 182)  
}
```

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, 197, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 182) }
```

Border

The CSS property to change the border of an element to Yxy 43.3099, 0.2313, 0.3526 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, 197, 182) }
```

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

```
.border{ border-color:rgb(0, 197, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3099, 0.2313, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 182) }
```

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

```
.background{ background-color: rgb(0, 197,  
182) }
```

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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