

Converting Colors

$Y_{xy}(46.9342, 0.2305, 0.3495)$

Have a look what the booklet for
Yxy(46.9342, 0.2305, 0.3495)
contains.

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Color

Yxy(46.9099, 0.2307, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	01CCBE
RGB	1, 204, 190
RGB Percent	0%, 80%, 75%
CMY	0.9945, 0.2000, 0.2549
CMYK	0.99, 0.00, 0.07, 0.20
HSL	176°, 99%, 40%
HSV	176°, 99%, 80%
XYZ	30.9027, 46.9099, 56.1392
YIQ	141.7070, -116.4940, -47.3900

Conversions

Conversions Part 2

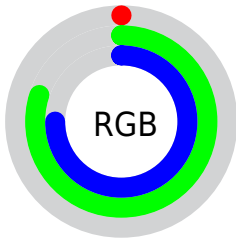
Format	Color
RYB	1, 106, 204
Decimal	117950
CIELab	74.13, -44.69, -4.97
CIELCh	74, 44.963, 186.350
Yxy	46.9099, 0.2307, 0.3502
Android (android.graphics.Color)	4278308030 (0xFF01CCBE)
YUV	141.7070, 23.8084, -123.4000
Hunter-Lab	68.4908, -39.3207, -0.6541

Details

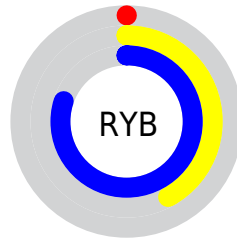
The Yxy color **46.9099, 0.2307, 0.3502** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.9030, 0.6323, 0.3263**, and the grayscale version is **26.9156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1771, 0.2434, 0.3394**, and **23.3010, 0.2315, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **46.8985, 0.2307, 0.3504**, and if you desaturate by 10%, it is **47.1329, 0.2315, 0.3479**.

Distribution



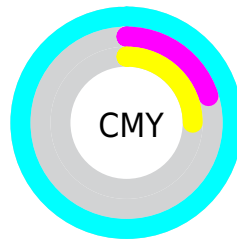
- Red (0%)
- Green (80%)
- Blue (75%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (7%)
- Black (20%)





- Cyan (99%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9099, 0.2307, 0.3502 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 46.9099, 0.2307, 0.3502 by changing the saturation by 10% instead.


 46.9099, 0.2307,
0.3502

 46.9099, 0.2307,
0.3502


374.4548, 0.2708,
0.3404


 32.9644, 0.2210,
0.3524


 85.5791, 0.2451,
0.3468

 22.0992, 0.2088,
0.3550


 111.0717, 0.2505,
0.3455

 13.9298, 0.1930,
0.3582


 141.1820, 0.2552,
0.3444

 8.0719, 0.1717,
0.3620

 176.2946, 0.2592,
0.3434

 4.1410, 0.1421,
0.3665

 216.7937, 0.2627,
0.3425

 1.7527, 0.0850,
0.3762

263.0639, 0.2657,

 0.4574, 0.0000,

0.3417

0.3510

315.4894, 0.2684,
0.3410

■ 0.0000, 0.0000,
0.0000

■ 46.9099, 0.2307,
0.3502

■ 46.9099, 0.2307,
0.3502

■ 46.8985, 0.2307,
0.3504

■ 47.1329, 0.2315,
0.3479

■ 47.5235, 0.2339,
0.3456

■ 48.1337, 0.2381,
0.3433

■ 48.9927, 0.2441,
0.3410

■ 50.1252, 0.2521,
0.3387

■ 51.5530, 0.2619,
0.3365

■ 53.2955, 0.2732,
0.3344

■ 55.3707, 0.2858,
0.3324

■ 57.7951, 0.2994,
0.3306

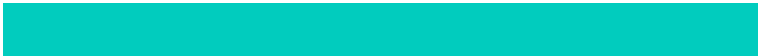
Harmonies

Analogous

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



46.9099, 0.2793, 0.4113



46.9099, 0.2307, 0.3502



46.9099, 0.2049, 0.2891

Triad

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



46.9099, 0.2307, 0.3502



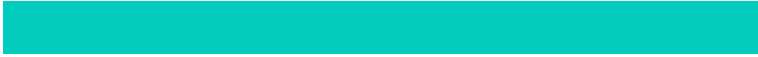
46.9099, 0.2761, 0.2380



46.9099, 0.4319, 0.3966

Complementary

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



46.9099, 0.2307, 0.3502



12.9030, 0.6323, 0.3263

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.



46.9099, 0.4340, 0.3495



46.9099, 0.2307, 0.3502



46.9099, 0.3384, 0.2632

Square

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



46.9099, 0.2307, 0.3502



46.9099, 0.2290, 0.2319



46.9099, 0.3986, 0.3026



46.9099, 0.3962, 0.4332

Rectangle

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



46.9099, 0.2307, 0.3502



46.9099, 0.2019, 0.2591



46.9099, 0.3986, 0.3026



46.9099, 0.4369, 0.3814

Sweetspot

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



46.9117, 0.2307, 0.3502



87.9284, 0.2719, 0.3346



43.3194, 0.3018, 0.5981



18.5477, 0.2669, 0.3355



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.



46.9117, 0.2307, 0.3502



77.6566, 0.2307, 0.3506



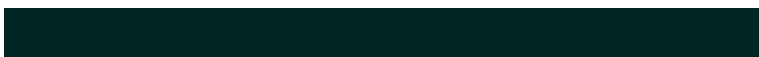
17.7006, 0.1853, 0.1865



12.7131, 0.2993, 0.3306



29.5246, 0.2306, 0.3500



1.5273, 0.2293, 0.3455

Inverse Universe

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



12.9030, 0.6323, 0.3263



21.3024, 0.6348, 0.3270



19.4658, 0.5645, 0.3893



11.2260, 0.3279, 0.3274



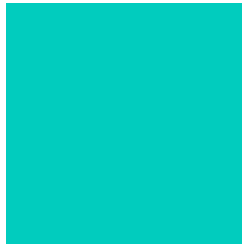
8.1052, 0.6318, 0.3254



0.4226, 0.6053, 0.3108

Previews

White Background



This preview shows how the Yxy color 46.9099, 0.2307, 0.3502 looks on a white background.

Color Contrast Check

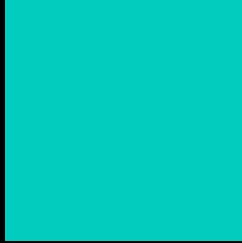
Large Text (above 18pt) WCAG AA × Fail

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 46.9099, 0.2307, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

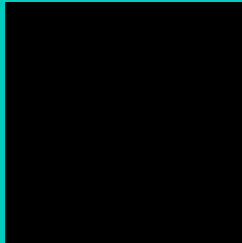
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

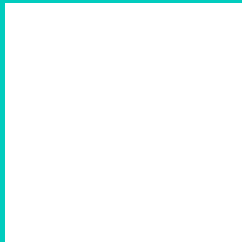
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9099, 0.2307, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 46.9099, 0.2307, 0.3502.

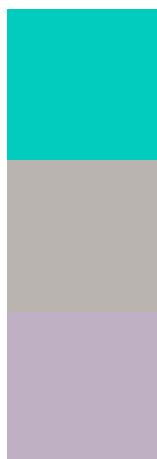


This preview shows how white text looks on a background with the Yxy color 46.9099, 0.2307, 0.3502.

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

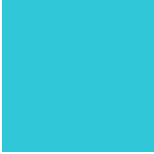
46.9099, 0.2307, 0.3502

Protanopia

46.0914, 0.3203, 0.3342

Deuteranopia

46.1126, 0.3096, 0.3039



Tritanopia

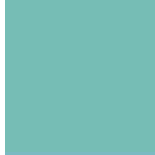
46.8948, 0.2234, 0.3058

Trichromacy



Original Color

46.9099, 0.2307, 0.3502



Protanomaly

43.5829, 0.2658, 0.3407



Deuteranomaly

43.1504, 0.2598, 0.3173



Tritanomaly

46.5696, 0.2247, 0.3199

Monochromacy



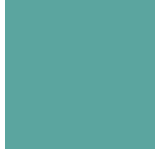
Original Color

46.9099, 0.2307, 0.3502



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.6376, 0.2575, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9099, 0.2307, 0.3502 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, 204, 190)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 190)  
}
```

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, 204, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 190) }
```

Border

The CSS property to change the border of an element to Yxy 46.9099, 0.2307, 0.3502 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, 204, 190) }
```

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

```
.border{ border-color:rgb(1, 204, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 190);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9099, 0.2307, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 190) }
```

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

```
.background{ background-color: rgb(1, 204,  
190) }
```

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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