

Converting Colors

$Y_{xy}(42.4780, 0.2273, 0.3487)$

Have a look what the booklet for
Yxy(42.4780, 0.2273, 0.3487)
contains.

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Color

Yxy(42.8988, 0.2304, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	00C4B7
RGB	0, 196, 183
RGB Percent	0%, 77%, 72%
CMY	0.9996, 0.2314, 0.2823
CMYK	1.00, 0.00, 0.07, 0.23
HSL	176°, 100%, 38%
HSV	176°, 100%, 77%
XYZ	28.2882, 42.8988, 51.5915
YIQ	135.9140, -112.6430, -45.5950

Conversions

Conversions Part 2

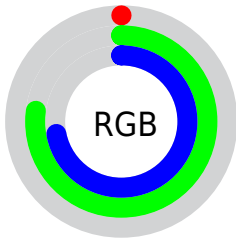
Format	Color
RYB	0, 101, 196
Decimal	50359
CIELab	71.49, -43.27, -5.08
CIELCh	71, 43.563, 186.699
Yxy	42.8988, 0.2304, 0.3494
Android (android.graphics.Color)	4278240439 (0xFF00C4B7)
YUV	135.9140, 23.2134, -119.1966
Hunter-Lab	65.4972, -37.5261, -0.8542

Details

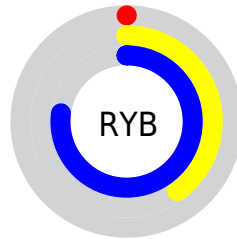
The Yxy color **42.8988, 0.2304, 0.3494** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.7675, 0.6334, 0.3263**, and the grayscale version is **24.5421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3661, 0.2451, 0.3456**, and **20.6615, 0.2313, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **42.8995, 0.2304, 0.3494**, and if you desaturate by 10%, it is **43.0998, 0.2313, 0.3472**.

Distribution



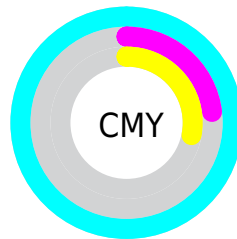
- Red (0%)
- Green (77%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8988, 0.2304, 0.3494 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 42.8988, 0.2304, 0.3494 by changing the saturation by 10% instead.

 42.8988, 0.2304,
0.3494

 42.8988, 0.2304,
0.3494


358.1954, 0.2713,
0.3399


 29.8057, 0.2204,
0.3515


 79.5581, 0.2452,
0.3461


 19.6912, 0.2076,
0.3541


 103.8932, 0.2507,
0.3448


 12.1708, 0.1909,
0.3572


 132.7443, 0.2554,
0.3437

 6.8601, 0.1683,
0.3609

 166.4959, 0.2595,
0.3428

 3.3747, 0.1362,
0.3650

 205.5325, 0.2630,
0.3419

 1.3304, 0.0442,
0.3857

250.2383, 0.2661,

 0.1645, 0.0000,

0.3412

0.2354

300.9978, 0.2689,
0.3405

■ 0.0000, 0.0000,
0.0000

■ 42.8988, 0.2304,
0.3494

■ 42.8988, 0.2304,
0.3494

■ 42.8995, 0.2304,
0.3494

■ 43.0998, 0.2313,
0.3472

■ 43.4463, 0.2335,
0.3450

■ 43.9913, 0.2376,
0.3428

■ 44.7613, 0.2436,
0.3406

■ 45.7791, 0.2515,
0.3384

■ 47.0644, 0.2612,
0.3363

■ 48.6351, 0.2724,
0.3343

■ 50.5073, 0.2849,
0.3324

■ 52.6963, 0.2985,
0.3306

Harmonies

Analogous

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



42.8988, 0.2787, 0.4106



42.8988, 0.2304, 0.3494



42.8988, 0.2049, 0.2886

Triad

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



42.8988, 0.2304, 0.3494



42.8988, 0.2768, 0.2384



42.8988, 0.4315, 0.3970

Complementary

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



42.8988, 0.2304, 0.3494



11.7675, 0.6334, 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.



42.8988, 0.4340, 0.3501



42.8988, 0.2304, 0.3494



42.8988, 0.3392, 0.2637

Square

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



42.8988, 0.2304, 0.3494



42.8988, 0.2296, 0.2320



42.8988, 0.3991, 0.3031



42.8988, 0.3955, 0.4334

Rectangle

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



42.8988, 0.2304, 0.3494



42.8988, 0.2021, 0.2588



42.8988, 0.3991, 0.3031



42.8988, 0.4365, 0.3819

Sweetspot

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



42.9004, 0.2304, 0.3494



87.9417, 0.2718, 0.3344



39.5676, 0.3013, 0.5989



18.5510, 0.2668, 0.3352



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.



42.9004, 0.2304, 0.3494



77.6980, 0.2305, 0.3497



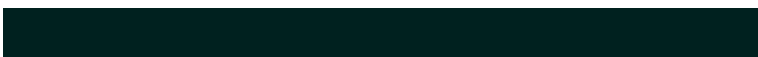
15.3794, 0.1834, 0.1801



11.4166, 0.2993, 0.3305



27.5693, 0.2303, 0.3491



1.1947, 0.2289, 0.3442

Inverse Universe

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



11.7675, 0.6334, 0.3263



21.3002, 0.6350, 0.3272



18.2318, 0.5607, 0.3930



10.0885, 0.3279, 0.3275



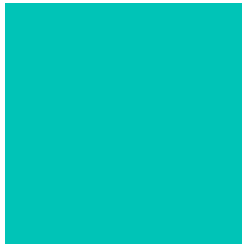
7.5641, 0.6319, 0.3254



0.3306, 0.6032, 0.3097

Previews

White Background



This preview shows how the Yxy color 42.8988, 0.2304, 0.3494 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 42.8988, 0.2304, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

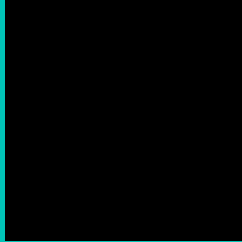
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

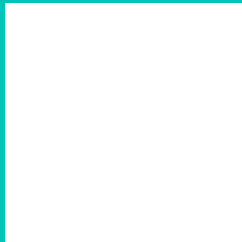
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8988, 0.2304, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 42.8988, 0.2304, 0.3494.

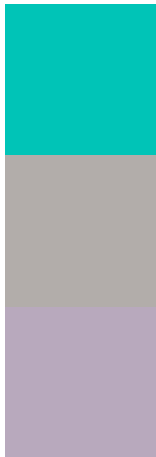


This preview shows how white text looks on a background with the Yxy color 42.8988, 0.2304, 0.3494.

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

42.8988, 0.2304, 0.3494

Protanopia

42.2544, 0.3197, 0.3331

Deuteranopia

42.2404, 0.3095, 0.3030



Tritanopia

42.8342, 0.2232, 0.3049

Trichromacy



Original Color

42.8988, 0.2304, 0.3494



Protanomaly

39.6536, 0.2649, 0.3381



Deuteranomaly

39.6100, 0.2594, 0.3169



Tritanomaly

42.5247, 0.2246, 0.3196

Monochromacy



Original Color

42.8988, 0.2304, 0.3494



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 42.8988, 0.2304, 0.3494 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, 196, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 183)  
}
```

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, 196, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 183) }
```

Border

The CSS property to change the border of an element to Yxy 42.8988, 0.2304, 0.3494 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, 196, 183) }
```

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

```
.border{ border-color:rgb(0, 196, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8988, 0.2304, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 183) }
```

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

```
.background{ background-color: rgb(0, 196,  
183) }
```

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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