

Converting Colors

$Y_{xy}(42.9525, 0.2298, 0.3454)$

Have a look what the booklet for
Yxy(42.9525, 0.2298, 0.3454)
contains.

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Color

Yxy(43.0343, 0.2300, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	08C4B9
RGB	8, 196, 185
RGB Percent	3%, 77%, 73%
CMY	0.9686, 0.2314, 0.2744
CMYK	0.96, 0.00, 0.06, 0.23
HSL	176°, 92%, 40%
HSV	176°, 96%, 77%
XYZ	28.5984, 43.0343, 52.7080
YIQ	138.5340, -108.5170, -43.2770

Conversions

Conversions Part 2

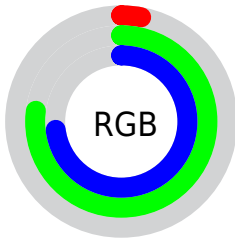
Format	Color
RYB	8, 105, 196
Decimal	574649
CIELab	71.58, -42.45, -6.04
CIELCh	72, 42.874, 188.099
Yxy	43.0343, 0.2300, 0.3461
Android (android.graphics.Color)	4278764729 (0xFF08C4B9)
YUV	138.5340, 22.9077, -114.4783
Hunter-Lab	65.6005, -36.9844, -1.7173

Details

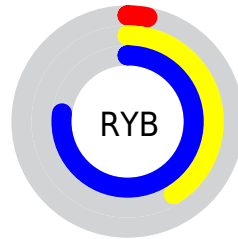
The Yxy color **43.0343, 0.2300, 0.3461** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.9570, 0.6269, 0.3263**, and the grayscale version is **25.5750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5445, 0.2446, 0.3431**, and **20.7157, 0.2300, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **42.9644, 0.2297, 0.3469**, and if you desaturate by 10%, it is **43.2743, 0.2314, 0.3442**.

Distribution



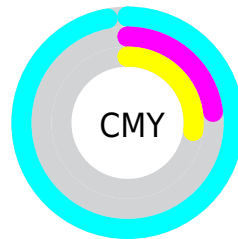
- Red (3%)
- Green (77%)
- Blue (73%)



- Red (3%)
- Yellow (41%)
- Blue (77%)



- Cyan (96%)
- Magenta (0%)
- Yellow (6%)
- Black (23%)




- Cyan (97%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0343, 0.2300, 0.3461 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 43.0343, 0.2300, 0.3461 by changing the saturation by 10% instead.

 43.0343, 0.2300,
0.3461


 43.0343, 0.2300,
0.3461

358.7528, 0.2710,
0.3384


 29.9120, 0.2200,
0.3478


 79.7626, 0.2448,
0.3435

 19.7718, 0.2072,
0.3497


 104.1375, 0.2504,
0.3424

 12.2293, 0.1906,
0.3519


 133.0319, 0.2551,
0.3415

 6.9000, 0.1680,
0.3544

 166.8305, 0.2592,
0.3407

 3.3997, 0.1362,
0.3566

 205.9174, 0.2627,
0.3400

 1.3438, 0.0503,
0.3712

250.6772, 0.2658,

 0.1747, 0.0000,

0.3394

0.2219

301.4942, 0.2686,
0.3389

■ 0.0000, 0.0000,
0.0000

■ 43.0343, 0.2300,
0.3461

■ 43.0343, 0.2300,
0.3461

■ 42.9644, 0.2297,
0.3469

■ 43.2743, 0.2314,
0.3442

■ 43.6912, 0.2344,
0.3422

■ 44.3179, 0.2393,
0.3403

■ 45.1790, 0.2462,
0.3384

■ 46.2961, 0.2548,
0.3365

■ 47.6880, 0.2652,
0.3347

■ 49.3718, 0.2771,
0.3329

■ 51.3634, 0.2901,
0.3313

■ 53.6773, 0.3041,
0.3298

Harmonies

Analogous

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



43.0343, 0.2768, 0.4067



43.0343, 0.2300, 0.3461



43.0343, 0.2059, 0.2869

Triad

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



43.0343, 0.2300, 0.3461



43.0343, 0.2801, 0.2405



43.0343, 0.4286, 0.3982

Complementary

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



43.0343, 0.2300, 0.3461



11.9570, 0.6269, 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.



43.0343, 0.4327, 0.3521



43.0343, 0.2300, 0.3461



43.0343, 0.3417, 0.2662

Square

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



43.0343, 0.2300, 0.3461



43.0343, 0.2326, 0.2333



43.0343, 0.3999, 0.3056



43.0343, 0.3920, 0.4329

Rectangle

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



43.0343, 0.2300, 0.3461



43.0343, 0.2039, 0.2584



43.0343, 0.3999, 0.3056



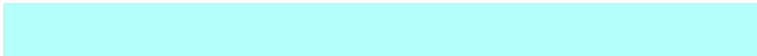
43.0343, 0.4341, 0.3834

Sweetspot

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



43.0359, 0.2300, 0.3461



88.2947, 0.2727, 0.3335



39.6527, 0.3017, 0.5957



18.6195, 0.2676, 0.3343



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.



43.0359, 0.2300, 0.3461



77.8174, 0.2298, 0.3472



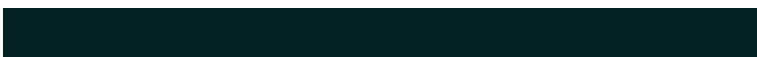
16.1943, 0.1859, 0.1865



11.4180, 0.2992, 0.3303



27.6106, 0.2296, 0.3466



1.1961, 0.2284, 0.3423

Inverse Universe

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



11.9570, 0.6269, 0.3263



21.2942, 0.6358, 0.3276



18.9778, 0.5516, 0.3962



10.0872, 0.3280, 0.3277



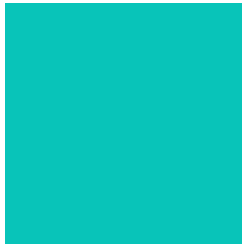
7.5613, 0.6328, 0.3260



0.3301, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 43.0343, 0.2300, 0.3461 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 43.0343, 0.2300, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

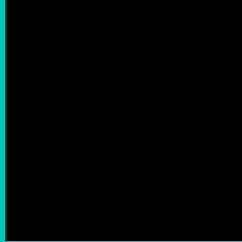
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

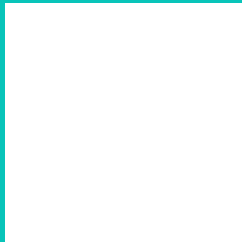
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.0343, 0.2300, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 43.0343, 0.2300, 0.3461.

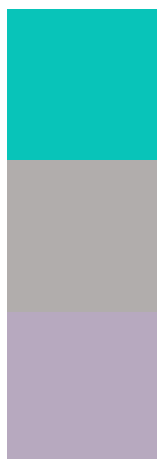


This preview shows how white text looks on a background with the Yxy color 43.0343, 0.2300, 0.3461.

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

43.0343, 0.2300, 0.3461

Protanopia

42.2128, 0.3171, 0.3304

Deuteranopia

42.2048, 0.3069, 0.3004



Tritanopia

43.2519, 0.2234, 0.3064

Trichromacy



Original Color

43.0343, 0.2300, 0.3461



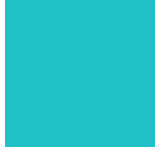
Protanomaly

39.9351, 0.2656, 0.3349



Deuteranomaly

39.8363, 0.2595, 0.3140



Tritanomaly

43.0608, 0.2250, 0.3196

Monochromacy



Original Color

43.0343, 0.2300, 0.3461



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.7661, 0.2582, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0343, 0.2300, 0.3461 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(8, 196, 185)` looks like.

```
.text, #text, p{  
    color:rgb(8, 196, 185)  
}
```

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(8, 196, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 196, 185) }
```

Border

The CSS property to change the border of an element to Yxy 43.0343, 0.2300, 0.3461 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(8, 196, 185) }
```

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

```
.border{ border-color:rgb(8, 196, 185) }
```

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

Here you see how a box with a 4 pixel rgb(8, 196, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 196, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 196, 185);  
box-shadow:4px 4px 4px 4px rgb(8, 196,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0343, 0.2300, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 196, 185) }
```

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

```
.background{ background-color: rgb(8, 196,  
185) }
```

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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