

Converting Colors

$Y_{xy}(41.9286, 0.2302, 0.3488)$

Have a look what the booklet for
Yxy(41.9286, 0.2302, 0.3488)
contains.

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Color

Yxy(41.9198, 0.2305, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	01C2B5
RGB	1, 194, 181
RGB Percent	0%, 76%, 71%
CMY	0.9970, 0.2392, 0.2902
CMYK	1.00, 0.00, 0.07, 0.24
HSL	176°, 99%, 38%
HSV	176°, 100%, 76%
XYZ	27.6388, 41.9198, 50.3493
YIQ	134.8110, -110.8550, -44.9590

Conversions

Conversions Part 2

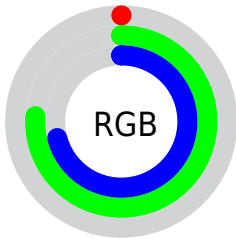
Format	Color
RYB	1, 101, 194
Decimal	115381
CIELab	70.82, -42.95, -4.98
CIELCh	71, 43.237, 186.610
Yxy	41.9198, 0.2305, 0.3496
Android (android.graphics.Color)	4278305461 (0xFF01C2B5)
YUV	134.8110, 22.7712, -117.3522
Hunter-Lab	64.7455, -37.1060, -0.7850

Details

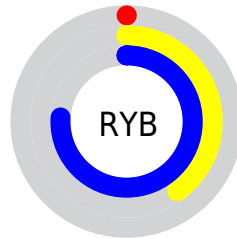
The Yxy color **41.9198, 0.2305, 0.3496** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.5158, 0.6326, 0.3262**, and the grayscale version is **24.0692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9336, 0.2451, 0.3457**, and **20.0238, 0.2314, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **41.9144, 0.2305, 0.3497**, and if you desaturate by 10%, it is **42.1207, 0.2314, 0.3474**.

Distribution



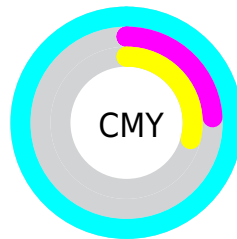
- Red (0%)
- Green (76%)
- Blue (71%)



- Red (0%)
- Yellow (40%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9198, 0.2305, 0.3496 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 41.9198, 0.2305, 0.3496 by changing the saturation by 10% instead.


 41.9198, 0.2305,
0.3496


 41.9198, 0.2305,
0.3496

354.1504, 0.2715,
0.3399


 29.0385, 0.2204,
0.3518


 78.0782, 0.2453,
0.3463


 19.1099, 0.2075,
0.3544


 102.1242, 0.2509,
0.3450


 11.7497, 0.1906,
0.3576


 130.6604, 0.2557,
0.3438

 6.5735, 0.1676,
0.3615

 164.0714, 0.2597,
0.3428

 3.1968, 0.1349,
0.3657

 202.7415, 0.2633,
0.3420

 1.2353, 0.0284,
0.3918

247.0551, 0.2663,

 0.0903, 0.0000,

0.3412

0.1683

297.3966, 0.2691,
0.3405

■ 0.0000, 0.0000,
0.0000

■ 41.9198, 0.2305,
0.3496

■ 41.9198, 0.2305,
0.3496

■ 41.9144, 0.2305,
0.3497

■ 42.1207, 0.2314,
0.3474

■ 42.4668, 0.2337,
0.3451

■ 43.0078, 0.2379,
0.3429

■ 43.7694, 0.2440,
0.3406

■ 44.7734, 0.2519,
0.3384

■ 46.0392, 0.2616,
0.3363

■ 47.5841, 0.2729,
0.3343

■ 49.4239, 0.2854,
0.3323

■ 51.5733, 0.2990,
0.3306

Harmonies

Analogous

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



41.9198, 0.2789, 0.4107



41.9198, 0.2305, 0.3496



41.9198, 0.2049, 0.2887

Triad

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



41.9198, 0.2305, 0.3496



41.9198, 0.2766, 0.2383



41.9198, 0.4316, 0.3969

Complementary

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



41.9198, 0.2305, 0.3496



11.5158, 0.6326, 0.3262

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.



41.9198, 0.4340, 0.3499



41.9198, 0.2305, 0.3496



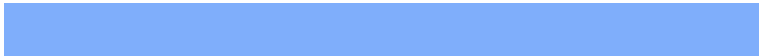
41.9198, 0.3390, 0.2636

Square

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



41.9198, 0.2305, 0.3496



41.9198, 0.2295, 0.2320



41.9198, 0.3989, 0.3030



41.9198, 0.3956, 0.4333

Rectangle

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



41.9198, 0.2305, 0.3496



41.9198, 0.2021, 0.2589



41.9198, 0.3989, 0.3030



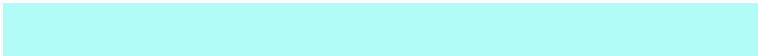
41.9198, 0.4366, 0.3818

Sweetspot

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



41.9214, 0.2305, 0.3496



85.9550, 0.2718, 0.3344



38.6999, 0.3018, 0.5983



18.5499, 0.2669, 0.3353



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.



41.9214, 0.2305, 0.3496



75.9294, 0.2306, 0.3500



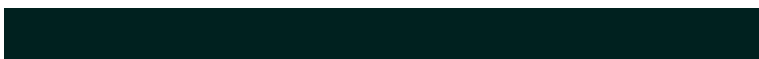
15.8165, 0.1852, 0.1866



11.4164, 0.2993, 0.3305



27.5647, 0.2304, 0.3494



1.1946, 0.2290, 0.3444

Inverse Universe

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



11.5158, 0.6326, 0.3262



20.8200, 0.6349, 0.3271



17.3952, 0.5646, 0.3895



10.0886, 0.3279, 0.3275



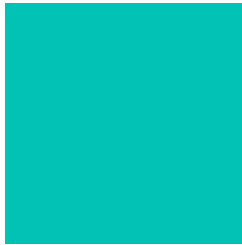
7.5645, 0.6317, 0.3254



0.3307, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 41.9198, 0.2305, 0.3496 looks on a white background.

Color Contrast Check

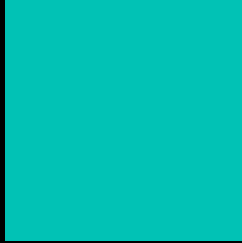
Large Text (above 18pt) WCAG AA × Fail

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 41.9198, 0.2305, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

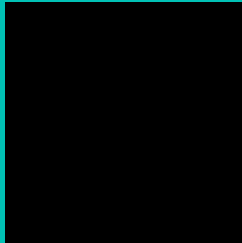
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

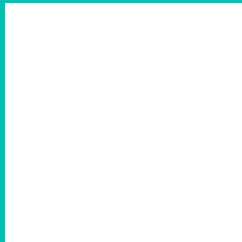
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9198, 0.2305, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 41.9198, 0.2305, 0.3496.

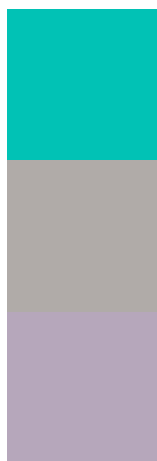


This preview shows how white text looks on a background with the Yxy color 41.9198, 0.2305, 0.3496.

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

41.9262, 0.2305, 0.3496

Protanopia

41.1831, 0.3198, 0.3331

Deuteranopia

41.1704, 0.3094, 0.3027



Tritanopia

41.8410, 0.2231, 0.3047

Trichromacy



Original Color

41.9262, 0.2305, 0.3496



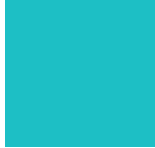
Protanomaly

38.7021, 0.2651, 0.3381



Deuteranomaly

38.6601, 0.2596, 0.3168



Tritanomaly

41.5540, 0.2246, 0.3195

Monochromacy



Original Color

41.9262, 0.2305, 0.3496



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.0224, 0.2565, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9198, 0.2305, 0.3496 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, 194, 181)` looks like.

```
.text, #text, p{  
    color:rgb(1, 194, 181)  
}
```

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, 194, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 194, 181) }
```

Border

The CSS property to change the border of an element to Yxy 41.9198, 0.2305, 0.3496 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, 194, 181) }
```

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

```
.border{ border-color:rgb(1, 194, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 194, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 194, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 194, 181);  
box-shadow:4px 4px 4px 4px rgb(1, 194,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9198, 0.2305, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 194, 181) }
```

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

```
.background{ background-color: rgb(1, 194,  
181) }
```

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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