

Converting Colors

$Y_{xy}(41.3787, 0.2255, 0.3478)$

Have a look what the booklet for
Yxy(41.3787, 0.2255, 0.3478)
contains.

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Color

Yxy(41.9610, 0.2300, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	00C2B6
RGB	0, 194, 182
RGB Percent	0%, 76%, 71%
CMY	1.0000, 0.2392, 0.2863
CMYK	1.00, 0.00, 0.06, 0.24
HSL	176°, 100%, 38%
HSV	176°, 100%, 76%
XYZ	27.7328, 41.9610, 50.8837
YIQ	134.6260, -111.7720, -44.8600

Conversions

Conversions Part 2

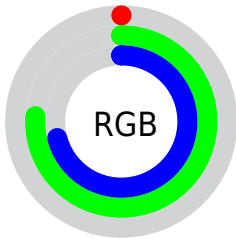
Format	Color
RYB	0, 100, 194
Decimal	49846
CIELab	70.84, -42.70, -5.47
CIELCh	71, 43.046, 187.304
Yxy	41.9610, 0.2300, 0.3480
Android (android.graphics.Color)	4278239926 (0xFF00C2B6)
YUV	134.6260, 23.3554, -118.0670
Hunter-Lab	64.7773, -36.9398, -1.2292

Details

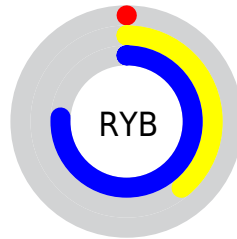
The Yxy color **41.9610, 0.2300, 0.3480** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.4967, 0.6339, 0.3266**, and the grayscale version is **24.0264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9922, 0.2447, 0.3445**, and **20.0502, 0.2307, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **41.9630, 0.2300, 0.3480**, and if you desaturate by 10%, it is **42.1554, 0.2309, 0.3460**.

Distribution



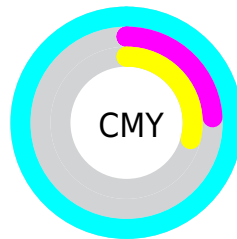
- Red (0%)
- Green (76%)
- Blue (71%)



- Red (0%)
- Yellow (39%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9610, 0.2300, 0.3480 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 41.9610, 0.2300, 0.3480 by changing the saturation by 10% instead.

 41.9610, 0.2300,
0.3480


 41.9610, 0.2300,
0.3480

354.3212, 0.2712,
0.3392


 29.0708, 0.2198,
0.3499


 78.1406, 0.2449,
0.3450


 19.1344, 0.2069,
0.3523


 102.1987, 0.2505,
0.3438

 11.7674, 0.1900,
0.3550


 130.7483, 0.2553,
0.3428

 6.5855, 0.1669,
0.3582

 164.1737, 0.2594,
0.3419

 3.2043, 0.1343,
0.3614

 202.8593, 0.2629,
0.3411

 1.2393, 0.0306,
0.3843

247.1895, 0.2660,

 0.0934, 0.0000,

0.3404

0.1617

297.5487, 0.2688,
0.3398

■ 0.0000, 0.0000,
0.0000

■ 41.9610, 0.2300,
0.3480

■ 41.9610, 0.2300,
0.3480

■ 41.9630, 0.2300,
0.3480

■ 42.1554, 0.2309,
0.3460

■ 42.4907, 0.2332,
0.3439

■ 43.0197, 0.2374,
0.3418

■ 43.7682, 0.2434,
0.3398

■ 44.7585, 0.2513,
0.3378

■ 46.0097, 0.2610,
0.3358

■ 47.5394, 0.2722,
0.3339

■ 49.3633, 0.2848,
0.3321

■ 51.4962, 0.2984,
0.3305

Harmonies

Analogous

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



41.9610, 0.2778, 0.4091



41.9610, 0.2300, 0.3480



41.9610, 0.2051, 0.2877

Triad

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



41.9610, 0.2300, 0.3480



41.9610, 0.2781, 0.2391



41.9610, 0.4306, 0.3977

Complementary

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



41.9610, 0.2300, 0.3480



11.4967, 0.6339, 0.3266

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.



41.9610, 0.4338, 0.3510



41.9610, 0.2300, 0.3480



41.9610, 0.3404, 0.2646

Square

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



41.9610, 0.2300, 0.3480



41.9610, 0.2307, 0.2323



41.9610, 0.3997, 0.3041



41.9610, 0.3942, 0.4334

Rectangle

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



41.9610, 0.2300, 0.3480



41.9610, 0.2026, 0.2584



41.9610, 0.3997, 0.3041



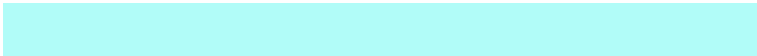
41.9610, 0.4358, 0.3827

Sweetspot

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



41.9630, 0.2300, 0.3480



85.9797, 0.2716, 0.3340



38.6714, 0.3014, 0.5989



18.5561, 0.2666, 0.3348



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.



41.9630, 0.2300, 0.3480



76.0068, 0.2301, 0.3483



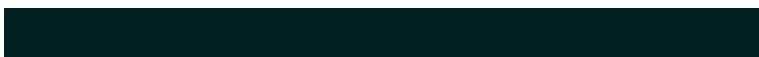
15.0335, 0.1834, 0.1801



11.4173, 0.2992, 0.3304



27.5920, 0.2299, 0.3477



1.1955, 0.2287, 0.3432

Inverse Universe

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



11.4967, 0.6339, 0.3266



20.8159, 0.6354, 0.3274



17.8216, 0.5607, 0.3930



10.0878, 0.3279, 0.3276



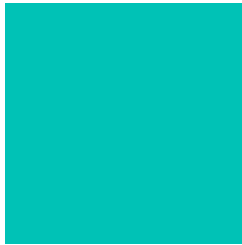
7.5626, 0.6324, 0.3257



0.3303, 0.6055, 0.3109

Previews

White Background



This preview shows how the Yxy color 41.9610, 0.2300, 0.3480 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 41.9610, 0.2300, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

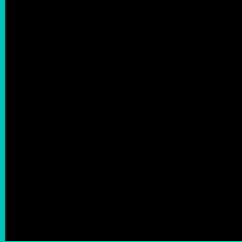
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

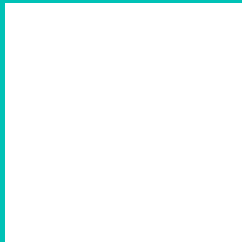
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9610, 0.2300, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 41.9610, 0.2300, 0.3480.

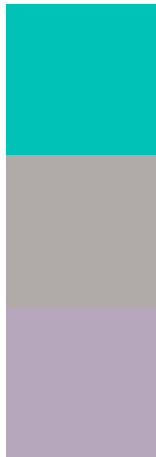


This preview shows how white text looks on a background with the Yxy color 41.9610, 0.2300, 0.3480.

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

41.9610, 0.2300, 0.3480

Protanopia

41.2205, 0.3189, 0.3317

Deuteranopia

41.2134, 0.3086, 0.3015



Tritanopia

41.8410, 0.2231, 0.3047

Trichromacy



Original Color

41.9610, 0.2300, 0.3480



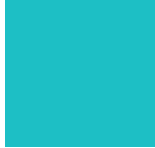
Protanomaly

38.7409, 0.2645, 0.3366



Deuteranomaly

38.7025, 0.2590, 0.3153



Tritanomaly

41.5540, 0.2246, 0.3195

Monochromacy



Original Color

41.9610, 0.2300, 0.3480



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 41.9610, 0.2300, 0.3480 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, 194, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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, 194, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 182) }
```

Border

The CSS property to change the border of an element to Yxy 41.9610, 0.2300, 0.3480 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, 194, 182) }
```

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

```
.border{ border-color:rgb(0, 194, 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, 194, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9610, 0.2300, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 182) }
```

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

```
.background{ background-color: rgb(0, 194,  
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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