

Converting Colors

$Y_{xy}(41.1538, 0.2275, 0.3548)$

Have a look what the booklet for
Yxy(41.1538, 0.2275, 0.3548)
contains.

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Color

Yxy(41.7979, 0.2318, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	00C2B2
RGB	0, 194, 178
RGB Percent	0%, 76%, 70%
CMY	1.0000, 0.2392, 0.3019
CMYK	1.00, 0.00, 0.08, 0.24
HSL	175°, 100%, 38%
HSV	175°, 100%, 76%
XYZ	27.3230, 41.7979, 48.7524
YIQ	134.1700, -110.4880, -46.1040

Conversions

Conversions Part 2

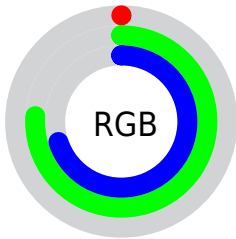
Format	Color
RYB	0, 101, 194
Decimal	49842
CIELab	70.73, -43.85, -3.47
CIElCh	71, 43.989, 184.523
Yxy	41.7979, 0.2318, 0.3546
Android (android.graphics.Color)	4278239922 (0xFF00C2B2)
YUV	134.1700, 21.6082, -117.6671
Hunter-Lab	64.6513, -37.7018, 0.5463

Details

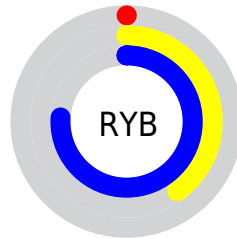
The Yxy color **41.7979, 0.2318, 0.3546** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.5081, 0.6314, 0.3252**, and the grayscale version is **23.8581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7597, 0.2464, 0.3494**, and **19.9459, 0.2333, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **41.8030, 0.2318, 0.3546**, and if you desaturate by 10%, it is **42.0102, 0.2326, 0.3519**.

Distribution



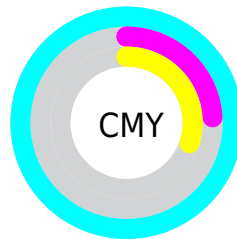
- Red (0%)
- Green (76%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7979, 0.2318, 0.3546 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 41.7979, 0.2318, 0.3546 by changing the saturation by 10% instead.

 41.7979, 0.2318,
0.3546

 41.7979, 0.2318,
0.3546


353.6445, 0.2723,
0.3422

 28.9431, 0.2218,
0.3575


 77.8937, 0.2465,
0.3502


 19.0378, 0.2090,
0.3611


 101.9034, 0.2520,
0.3485

 11.6976, 0.1921,
0.3657


 130.4002, 0.2567,
0.3471

 6.5381, 0.1691,
0.3717

 163.7685, 0.2607,
0.3459

 3.1750, 0.1362,
0.3792

 202.3927, 0.2642,
0.3448

 1.2237, 0.0200,
0.4164

246.6572, 0.2672,

 0.0810, 0.0000,

0.3438

0.1967

296.9463, 0.2699,
0.3430

■ 0.0000, 0.0000,
0.0000

■ 41.7979, 0.2318,
0.3546

■ 41.7979, 0.2318,
0.3546

■ 41.8030, 0.2318,
0.3546

■ 42.0102, 0.2326,
0.3519

■ 42.3606, 0.2347,
0.3491

■ 42.9049, 0.2387,
0.3463

■ 43.6692, 0.2446,
0.3435

■ 44.6755, 0.2524,
0.3408

■ 45.9432, 0.2619,
0.3381

■ 47.4896, 0.2729,
0.3356

■ 49.3307, 0.2853,
0.3332

■ 51.4810, 0.2986,
0.3310

Harmonies

Analogous

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



41.7979, 0.2823, 0.4159



41.7979, 0.2318, 0.3546



41.7979, 0.2041, 0.2916

Triad

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



41.7979, 0.2318, 0.3546



41.7979, 0.2720, 0.2358



41.7979, 0.4350, 0.3947

Complementary

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



41.7979, 0.2318, 0.3546



11.5081, 0.6314, 0.3252

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.



41.7979, 0.4349, 0.3467



41.7979, 0.2318, 0.3546



41.7979, 0.3348, 0.2602

Square

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



41.7979, 0.2318, 0.3546



41.7979, 0.2256, 0.2308



41.7979, 0.3969, 0.2994



41.7979, 0.4003, 0.4332

Rectangle

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



41.7979, 0.2318, 0.3546



41.7979, 0.2001, 0.2602



41.7979, 0.3969, 0.2994



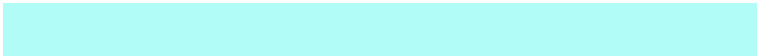
41.7979, 0.4393, 0.3791

Sweetspot

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



41.8030, 0.2318, 0.3546



85.8839, 0.2724, 0.3357



38.6998, 0.3018, 0.5986



18.5322, 0.2675, 0.3368



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.



41.8030, 0.2318, 0.3546



75.7091, 0.2320, 0.3550



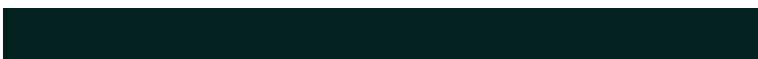
15.7443, 0.1850, 0.1860



11.4137, 0.2995, 0.3309



27.4868, 0.2317, 0.3542



1.1919, 0.2300, 0.3481

Inverse Universe

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



11.5081, 0.6314, 0.3252



20.8330, 0.6332, 0.3262



17.3315, 0.5655, 0.3892



10.0911, 0.3276, 0.3271



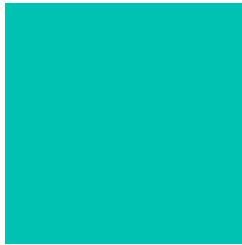
7.5705, 0.6297, 0.3242



0.3318, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 41.7979, 0.2318, 0.3546 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 41.7979, 0.2318, 0.3546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

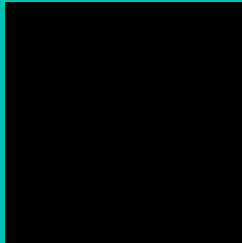
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

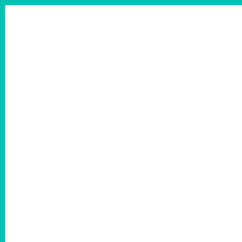
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7979, 0.2318, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 41.7979, 0.2318, 0.3546.

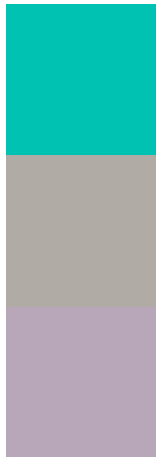


This preview shows how white text looks on a background with the Yxy color 41.7979, 0.2318, 0.3546.

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

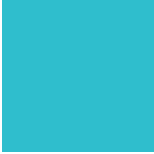
41.7979, 0.2318, 0.3546

Protanopia

41.0725, 0.3224, 0.3372

Deuteranopia

41.1654, 0.3129, 0.3066



Tritanopia

41.8390, 0.2239, 0.3061

Trichromacy



Original Color

41.7979, 0.2318, 0.3546



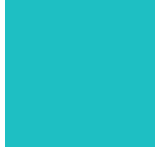
Protanomaly

38.5872, 0.2671, 0.3429



Deuteranomaly

38.5347, 0.2615, 0.3213



Tritanomaly

41.4778, 0.2256, 0.3225

Monochromacy



Original Color

41.7979, 0.2318, 0.3546



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.9102, 0.2572, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7979, 0.2318, 0.3546 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 178) }
```

Border

The CSS property to change the border of an element to Yxy 41.7979, 0.2318, 0.3546 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, 178) }
```

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

```
.border{ border-color:rgb(0, 194, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7979, 0.2318, 0.3546 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, 178) }
```

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

```
.background{ background-color: rgb(0, 194,  
178) }
```

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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