

Converting Colors

$Y_{xy}(41.6824, 0.2313, 0.3517)$

Have a look what the booklet for
Yxy(41.6824, 0.2313, 0.3517)
contains.

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Color

Yxy(41.8641, 0.2316, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	03C2B3
RGB	3, 194, 179
RGB Percent	1%, 76%, 70%
CMY	0.9866, 0.2392, 0.2980
CMYK	0.98, 0.00, 0.08, 0.24
HSL	175°, 97%, 39%
HSV	175°, 98%, 76%
XYZ	27.4744, 41.8641, 49.2903
YIQ	135.1810, -109.0210, -45.1570

Conversions

Conversions Part 2

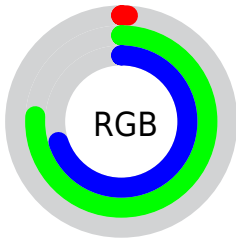
Format	Color
RYB	3, 102, 194
Decimal	246451
CIELab	70.78, -43.44, -3.95
CIELCh	71, 43.621, 185.197
Yxy	41.8641, 0.2316, 0.3529
Android (android.graphics.Color)	4278436531 (0xFF03C2B3)
YUV	135.1810, 21.6028, -115.9227
Hunter-Lab	64.7025, -37.4334, 0.1247

Details

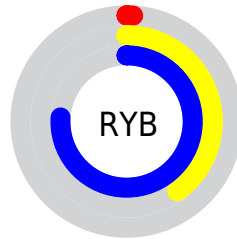
The Yxy color **41.8641, 0.2316, 0.3529** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.5901, 0.6286, 0.3252**, and the grayscale version is **24.3008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8173, 0.2459, 0.3482**, and **19.9716, 0.2326, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **41.8327, 0.2315, 0.3534**, and if you desaturate by 10%, it is **42.0858, 0.2325, 0.3503**.

Distribution



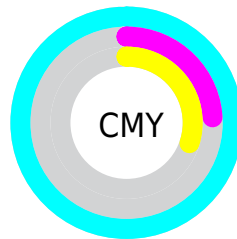
- Red (1%)
- Green (76%)
- Blue (70%)



- Red (1%)
- Yellow (40%)
- Blue (76%)



- Cyan (98%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)




- Cyan (99%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8641, 0.2316, 0.3529 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 41.8641, 0.2316, 0.3529 by changing the saturation by 10% instead.

 41.8641, 0.2316,
0.3529


 41.8641, 0.2316,
0.3529


353.9193, 0.2721,
0.3414


 28.9949, 0.2216,
0.3556


 77.9939, 0.2463,
0.3489


 19.0770, 0.2088,
0.3589


 102.0233, 0.2518,
0.3473

 11.7259, 0.1920,
0.3630


 130.5415, 0.2565,
0.3460

 6.5573, 0.1690,
0.3682

 163.9330, 0.2605,
0.3448

 3.1868, 0.1362,
0.3747

 202.5821, 0.2640,
0.3438

 1.2300, 0.0244,
0.4077

246.8733, 0.2670,

 0.0860, 0.0000,

0.3429

0.1887

297.1909, 0.2697,
0.3422

■ 0.0000, 0.0000,
0.0000

■ 41.8641, 0.2316,
0.3529

■ 41.8641, 0.2316,
0.3529

■ 41.8327, 0.2315,
0.3534

■ 42.0858, 0.2325,
0.3503

■ 42.4655, 0.2350,
0.3476

■ 43.0441, 0.2394,
0.3450

■ 43.8468, 0.2456,
0.3423

■ 44.8950, 0.2537,
0.3398

■ 46.2076, 0.2636,
0.3373

■ 47.8019, 0.2749,
0.3349

■ 49.6934, 0.2875,
0.3326

■ 51.8966, 0.3010,
0.3306

Harmonies

Analogous

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



41.8641, 0.2813, 0.4140



41.8641, 0.2316, 0.3529



41.8641, 0.2047, 0.2908

Triad

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



41.8641, 0.2316, 0.3529



41.8641, 0.2736, 0.2368



41.8641, 0.4336, 0.3953

Complementary

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



41.8641, 0.2316, 0.3529



11.5901, 0.6286, 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.



41.8641, 0.4343, 0.3477



41.8641, 0.2316, 0.3529



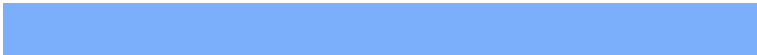
41.8641, 0.3361, 0.2615

Square

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



41.8641, 0.2316, 0.3529



41.8641, 0.2271, 0.2315



41.8641, 0.3973, 0.3006



41.8641, 0.3986, 0.4329

Rectangle

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



41.8641, 0.2316, 0.3529



41.8641, 0.2010, 0.2600



41.8641, 0.3973, 0.3006



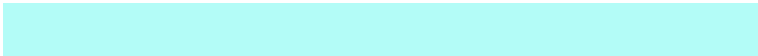
41.8641, 0.4381, 0.3799

Sweetspot

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



41.8657, 0.2316, 0.3529



86.2124, 0.2734, 0.3352



38.7372, 0.3020, 0.5972



18.5965, 0.2684, 0.3362



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.



41.8657, 0.2316, 0.3529



75.7638, 0.2316, 0.3538



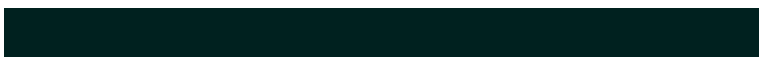
16.0881, 0.1861, 0.1887



11.4143, 0.2995, 0.3308



27.5061, 0.2314, 0.3530



1.1926, 0.2298, 0.3471

Inverse Universe

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



11.5901, 0.6286, 0.3252



20.8296, 0.6337, 0.3264



17.6397, 0.5614, 0.3906



10.0905, 0.3277, 0.3272



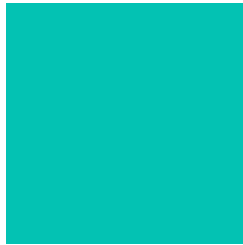
7.5689, 0.6302, 0.3245



0.3315, 0.5970, 0.3062

Previews

White Background



This preview shows how the Yxy color 41.8641, 0.2316, 0.3529 looks on a white background.

Color Contrast Check

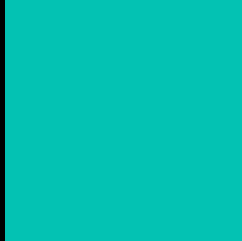
Large Text (above 18pt) WCAG AA × Fail

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 41.8641, 0.2316, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

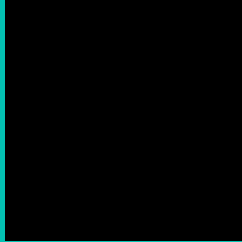
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8641, 0.2316, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 41.8641, 0.2316, 0.3529.

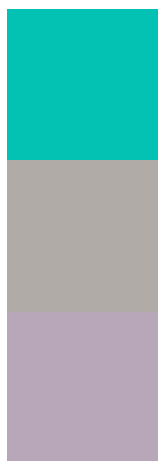


This preview shows how white text looks on a background with the Yxy color 41.8641, 0.2316, 0.3529.

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

41.8576, 0.2316, 0.3529

Protanopia

41.1091, 0.3215, 0.3359

Deuteranopia

41.2075, 0.3120, 0.3054



Tritanopia

41.8875, 0.2235, 0.3047

Trichromacy



Original Color

41.8576, 0.2316, 0.3529



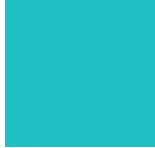
Protanomaly

38.6912, 0.2671, 0.3413



Deuteranomaly

38.7147, 0.2622, 0.3198



Tritanomaly

41.5384, 0.2253, 0.3210

Monochromacy



Original Color

41.8576, 0.2316, 0.3529



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.0375, 0.2579, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8641, 0.2316, 0.3529 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(3, 194, 179)` looks like.

```
.text, #text, p{  
    color:rgb(3, 194, 179)  
}
```

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(3, 194, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 194, 179) }
```

Border

The CSS property to change the border of an element to Yxy 41.8641, 0.2316, 0.3529 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(3, 194, 179) }
```

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

```
.border{ border-color:rgb(3, 194, 179) }
```

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

Here you see how a box with a 4 pixel rgb(3, 194, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 194, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 194, 179);  
box-shadow:4px 4px 4px 4px rgb(3, 194,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8641, 0.2316, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 194, 179) }
```

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

```
.background{ background-color: rgb(3, 194,  
179) }
```

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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