

Converting Colors

$Y_{xy}(41.8163, 0.2256, 0.3323)$

Have a look what the booklet for
Yxy(41.8163, 0.2256, 0.3323)
contains.

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Color

Yxy(41.9015, 0.2255, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	00C1BF
RGB	0, 193, 191
RGB Percent	0%, 76%, 75%
CMY	1.0000, 0.2431, 0.2510
CMYK	1.00, 0.00, 0.01, 0.24
HSL	179°, 100%, 38%
HSV	179°, 100%, 76%
XYZ	28.4688, 41.9015, 55.8771
YIQ	135.0650, -114.3860, -41.5380

Conversions

Conversions Part 2

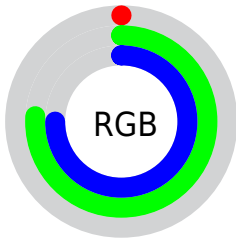
Format	Color
RYB	0, 97, 193
Decimal	49599
CIELab	70.80, -39.61, -10.46
CIELCh	71, 40.970, 194.796
Yxy	41.9015, 0.2255, 0.3319
Android (android.graphics.Color)	4278239679 (0xFF00C1BF)
YUV	135.0650, 27.5760, -118.4520
Hunter-Lab	64.7314, -34.7758, -5.8681

Details

The Yxy color **41.9015, 0.2255, 0.3319** 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 **11.3433, 0.6390, 0.3294**, and the grayscale version is **24.1838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9702, 0.2411, 0.3324**, and **20.3002, 0.2252, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **41.9063, 0.2255, 0.3319**, and if you desaturate by 10%, it is **42.0567, 0.2268, 0.3316**.

Distribution



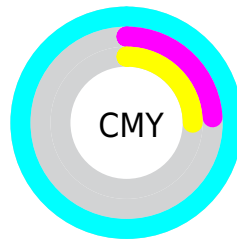
- Red (0%)
- Green (76%)
- Blue (75%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9015, 0.2255, 0.3319 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 41.9015, 0.2255, 0.3319 by changing the saturation by 10% instead.


 41.9015, 0.2255,
0.3319


 41.9015, 0.2255,
0.3319


354.0745, 0.2686,
0.3317


 29.0242, 0.2150,
0.3315


 78.0505, 0.2410,
0.3321


 19.0991, 0.2017,
0.3308


 102.0910, 0.2469,
0.3321


 11.7419, 0.1844,
0.3294


 130.6213, 0.2519,
0.3321

 6.5682, 0.1611,
0.3265

 164.0259, 0.2562,
0.3320

 3.1936, 0.1286,
0.3202

 202.6891, 0.2599,
0.3320

 1.2336, 0.0437,
0.3179

246.9953, 0.2632,

 0.0889, 0.0000,

0.3319

0.0969

297.3290, 0.2661,
0.3318

■ 0.0000, 0.0000,
0.0000

■ 41.9015, 0.2255,
0.3319

■ 41.9015, 0.2255,
0.3319

■ 41.9063, 0.2255,
0.3319

■ 42.0567, 0.2268,
0.3316

■ 42.3477, 0.2295,
0.3313

■ 42.8296, 0.2340,
0.3309

■ 43.5281, 0.2403,
0.3306

■ 44.4650, 0.2486,
0.3303

■ 45.6594, 0.2586,
0.3300

■ 47.1284, 0.2703,
0.3297

■ 48.8877, 0.2834,
0.3295

■ 50.9519, 0.2977,
0.3292

Harmonies

Analogous

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



41.9015, 0.2666, 0.3921



41.9015, 0.2255, 0.3319



41.9015, 0.2075, 0.2782

Triad

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



41.9015, 0.2255, 0.3319



41.9015, 0.2938, 0.2474



41.9015, 0.4192, 0.4051

Complementary

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



41.9015, 0.2255, 0.3319



11.3433, 0.6390, 0.3294

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.



41.9015, 0.4307, 0.3620



41.9015, 0.2255, 0.3319



41.9015, 0.3544, 0.2758

Square

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



41.9015, 0.2255, 0.3319



41.9015, 0.2438, 0.2361



41.9015, 0.4066, 0.3163



41.9015, 0.3786, 0.4337

Rectangle

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



41.9015, 0.2255, 0.3319



41.9015, 0.2091, 0.2539



41.9015, 0.4066, 0.3163



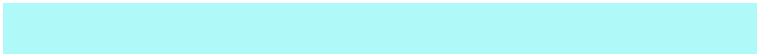
41.9015, 0.4268, 0.3916

Sweetspot

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



41.9063, 0.2255, 0.3319



84.2619, 0.2698, 0.3297



38.1655, 0.3003, 0.5997



17.8261, 0.2646, 0.3298



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.9063, 0.2255, 0.3319



75.0428, 0.2255, 0.3320



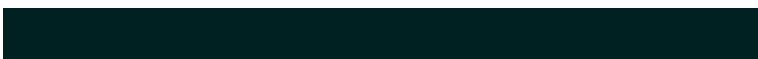
12.9119, 0.1786, 0.1629



11.4266, 0.2986, 0.3292



27.8700, 0.2255, 0.3319



1.2048, 0.2253, 0.3311

Inverse Universe

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



11.3433, 0.6390, 0.3294



20.3112, 0.6393, 0.3296



19.2183, 0.5460, 0.4046



10.0796, 0.3287, 0.3288



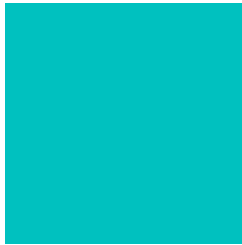
7.5444, 0.6388, 0.3293



0.3266, 0.6339, 0.3266

Previews

White Background



This preview shows how the Yxy color 41.9015, 0.2255, 0.3319 looks on a white background.

Color Contrast Check

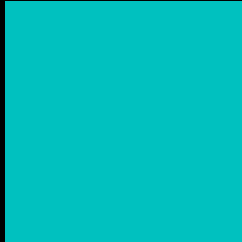
Large Text (above 18pt) WCAG AA × Fail

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 41.9015, 0.2255, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

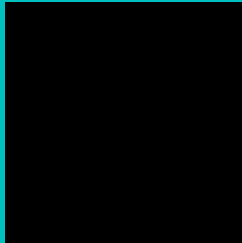
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

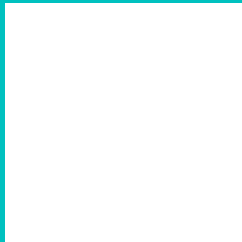
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9015, 0.2255, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 41.9015, 0.2255, 0.3319.

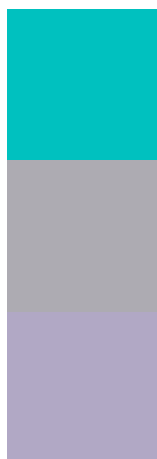


This preview shows how white text looks on a background with the Yxy color 41.9015, 0.2255, 0.3319.

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

41.9015, 0.2255, 0.3319

Protanopia

41.2244, 0.3087, 0.3195

Deuteranopia

41.3836, 0.2969, 0.2911



Tritanopia

42.1111, 0.2220, 0.3061

Trichromacy



Original Color

41.9015, 0.2255, 0.3319



Protanomaly

38.9741, 0.2575, 0.3228



Deuteranomaly

38.8951, 0.2516, 0.3022



Tritanomaly

42.1105, 0.2227, 0.3150

Monochromacy



Original Color

41.9015, 0.2255, 0.3319



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.1219, 0.2544, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9015, 0.2255, 0.3319 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, 193, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 191)  
}
```

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, 193, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 191) }
```

Border

The CSS property to change the border of an element to Yxy 41.9015, 0.2255, 0.3319 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, 193, 191) }
```

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

```
.border{ border-color:rgb(0, 193, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9015, 0.2255, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 191) }
```

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

```
.background{ background-color: rgb(0, 193,  
191) }
```

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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