

Converting Colors

$Y_{xy}(41.4714, 0.2494, 0.4177)$

Have a look what the booklet for
Yxy(41.4714, 0.2494, 0.4177)
contains.

Yxy(41.4935, 0.2493, 0.4176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.4935, 0.2493, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	00C490
RGB	0, 196, 144
RGB Percent	0%, 77%, 56%
CMY	1.0000, 0.2313, 0.4352
CMYK	1.00, 0.00, 0.27, 0.23
HSL	164°, 100%, 38%
HSV	164°, 100%, 77%
XYZ	24.7709, 41.4935, 33.0974
YIQ	131.4680, -100.1240, -57.7240

Conversions

Conversions Part 2

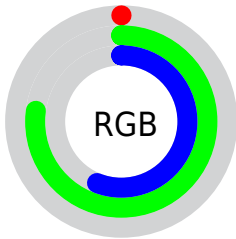
Format	Color
RYB	0, 113, 196
Decimal	50320
CIELab	70.52, -53.55, 14.70
CIELCh	71, 55.535, 164.653
Yxy	41.4935, 0.2493, 0.4176
Android (android.graphics.Color)	4278240400 (0xFF00C490)
YUV	131.4680, 6.1783, -115.2974
Hunter-Lab	64.4154, -44.0850, 14.6269

Details

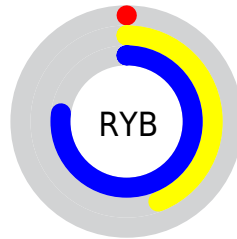
The Yxy color **41.4935, 0.2493, 0.4176** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.9847, 0.5891, 0.3019**, and the grayscale version is **22.8801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6702, 0.2619, 0.3998**, and **19.8401, 0.2560, 0.4417** is the 20% darker color. If you saturate the color by 10%, you get **41.4980, 0.2493, 0.4176**, and if you desaturate by 10%, it is **41.8053, 0.2484, 0.4078**.

Distribution



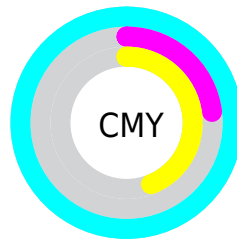
- Red (0%)
- Green (77%)
- Blue (56%)



- Red (0%)
- Yellow (44%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4935, 0.2493, 0.4176 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 41.4935, 0.2493, 0.4176 by changing the saturation by 10% instead.

 41.4935, 0.2493,
0.4176


 41.4935, 0.2493,
0.4176


352.3790, 0.2826,
0.3701


 28.7049, 0.2405,
0.4306


 77.4325, 0.2618,
0.3995


 18.8577, 0.2289,
0.4479


 101.3516, 0.2663,
0.3930


 11.5675, 0.2131,
0.4721


 129.7498, 0.2701,
0.3876

 6.4499, 0.1902,
0.5083

 163.0113, 0.2734,
0.3830

 3.1205, 0.1548,
0.5671

 201.5206, 0.2762,
0.3790

 1.1950, 0.0000,
0.8324

245.6620, 0.2786,

 0.0576, 0.0000,

0.3757

1.0000

295.8200, 0.2807,
0.3727

■ 0.0000, 0.0000,
0.0000

■ 41.4935, 0.2493,
0.4176

■ 41.4935, 0.2493,
0.4176

■ 41.4980, 0.2493,
0.4176

■ 41.8053, 0.2484,
0.4078

■ 42.2661, 0.2490,
0.3978

■ 42.9322, 0.2516,
0.3879

■ 43.8305, 0.2561,
0.3781

■ 44.9835, 0.2625,
0.3686

■ 46.4112, 0.2704,
0.3595

■ 48.1316, 0.2797,
0.3509

■ 50.1610, 0.2901,
0.3429

■ 52.5146, 0.3012,
0.3356

Harmonies

Analogous

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



41.4935, 0.3226, 0.4729



41.4935, 0.2493, 0.4176



41.4935, 0.1972, 0.3309

Triad

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



41.4935, 0.2493, 0.4176



41.4935, 0.2212, 0.2082



41.4935, 0.4720, 0.3671

Complementary

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



41.4935, 0.2493, 0.4176



11.9847, 0.5891, 0.3019

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.



41.4935, 0.4403, 0.3094



41.4935, 0.2493, 0.4176



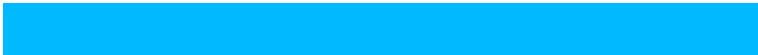
41.4935, 0.2857, 0.2230

Square

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



41.4935, 0.2493, 0.4176



41.4935, 0.1841, 0.2186



41.4935, 0.3678, 0.2587



41.4935, 0.4534, 0.4248

Rectangle

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



41.4935, 0.2493, 0.4176



41.4935, 0.1794, 0.2794



41.4935, 0.3678, 0.2587



41.4935, 0.4671, 0.3475

Sweetspot

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



41.4980, 0.2493, 0.4176



87.0257, 0.2793, 0.3513



40.2209, 0.3112, 0.5911



18.3295, 0.2752, 0.3549



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.



41.4980, 0.2493, 0.4176



75.1237, 0.2498, 0.4191



25.8859, 0.2032, 0.2515



11.3814, 0.3019, 0.3352



26.6766, 0.2490, 0.4162



1.1635, 0.2429, 0.3943

Inverse Universe

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



11.9847, 0.5891, 0.3019



21.6729, 0.5928, 0.3039



13.6703, 0.6118, 0.3524



10.1208, 0.3248, 0.3229



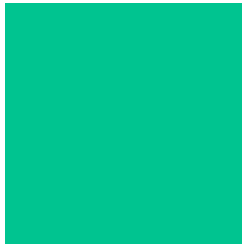
7.7123, 0.5856, 0.3000



0.3451, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 41.4935, 0.2493, 0.4176 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 41.4935, 0.2493, 0.4176 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 41.4935, 0.2493, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 41.4935, 0.2493, 0.4176.

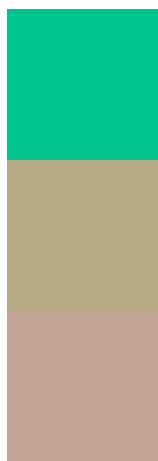


This preview shows how white text looks on a background with the Yxy color 41.4935, 0.2493, 0.4176.

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

41.4935, 0.2493, 0.4176

Protanopia

40.8590, 0.3582, 0.3825

Deuteranopia

40.7467, 0.3544, 0.3475



Tritanopia

41.4161, 0.2281, 0.3048

Trichromacy



Original Color

41.4935, 0.2493, 0.4176



Protanomaly

38.1331, 0.2935, 0.4002



Deuteranomaly

37.4739, 0.2908, 0.3734



Tritanomaly

41.1104, 0.2336, 0.3431

Monochromacy



Original Color

41.4935, 0.2493, 0.4176



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.0593, 0.2657, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4935, 0.2493, 0.4176 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, 196, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 144)  
}
```

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, 196, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 144) }
```

Border

The CSS property to change the border of an element to Yxy 41.4935, 0.2493, 0.4176 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, 196, 144) }
```

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

```
.border{ border-color:rgb(0, 196, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4935, 0.2493, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 144) }
```

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

```
.background{ background-color: rgb(0, 196,  
144) }
```

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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