

Converting Colors

$Y_{xy}(44.1623, 0.2531, 0.4310)$

Have a look what the booklet for
Yxy(44.1623, 0.2531, 0.4310)
contains.

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Color

Yxy(44.1706, 0.2532, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	01CA8D
RGB	1, 202, 141
RGB Percent	0%, 79%, 55%
CMY	0.9944, 0.2078, 0.4472
CMYK	0.99, 0.00, 0.30, 0.21
HSL	162°, 99%, 40%
HSV	162°, 99%, 79%
XYZ	25.9429, 44.1706, 32.3467
YIQ	134.9470, -100.2150, -61.5830

Conversions

Conversions Part 2

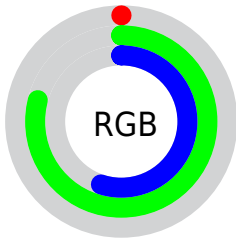
Format	Color
RYB	1, 119, 202
Decimal	117389
CIELab	72.34, -56.45, 18.86
CIELCh	72, 59.517, 161.521
Yxy	44.1706, 0.2532, 0.4311
Android (android.graphics.Color)	4278307469 (0xFF01CA8D)
YUV	134.9470, 2.9841, -117.4715
Hunter-Lab	66.4610, -46.6295, 17.6661

Details

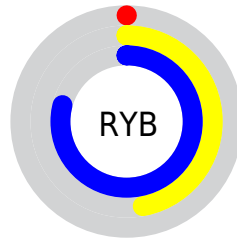
The Yxy color **44.1706, 0.2532, 0.4311** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.9405, 0.5742, 0.2942**, and the grayscale version is **24.2738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2268, 0.2638, 0.4048**, and **21.6228, 0.2601, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **44.1501, 0.2533, 0.4319**, and if you desaturate by 10%, it is **44.5176, 0.2519, 0.4197**.

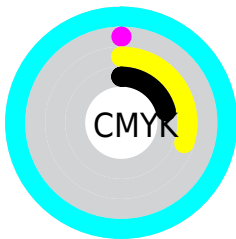
Distribution



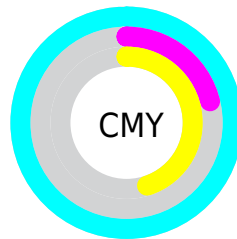
- Red (0%)
- Green (79%)
- Blue (55%)



- Red (0%)
- Yellow (47%)
- Blue (79%)



- Cyan (99%)
- Magenta (0%)
- Yellow (30%)
- Black (21%)




- Cyan (99%)
- Magenta (21%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1706, 0.2532, 0.4311 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 44.1706, 0.2532, 0.4311 by changing the saturation by 10% instead.


 44.1706, 0.2532,
0.4311


 44.1706, 0.2532,
0.4311

363.4040, 0.2846,
0.3764

 30.8047, 0.2448,
0.4459


 81.4744, 0.2650,
0.4104

 20.4501, 0.2338,
0.4657


 106.1810, 0.2693,
0.4028


 12.7227, 0.2187,
0.4933


 135.4367, 0.2729,
0.3966

 7.2379, 0.1967,
0.5340

 169.6257, 0.2760,
0.3913

 3.6113, 0.1626,
0.5993

 209.1326, 0.2786,
0.3868

 1.4586, 0.0000,
0.8962

254.3417, 0.2809,

 0.2593, 0.0000,

0.3829

1.0000

305.6373, 0.2829,
0.3794

■ 0.0000, 0.0000,
0.0000

■ 44.1706, 0.2532,
0.4311

■ 44.1706, 0.2532,
0.4311

■ 44.1501, 0.2533,
0.4319

■ 44.5176, 0.2519,
0.4197

■ 45.0382, 0.2523,
0.4081

■ 45.7836, 0.2547,
0.3965

■ 46.7821, 0.2590,
0.3851

■ 48.0582, 0.2651,
0.3740

■ 49.6332, 0.2729,
0.3635

■ 51.5262, 0.2818,
0.3536

■ 53.7549, 0.2918,
0.3444

■ 56.3355, 0.3024,
0.3361

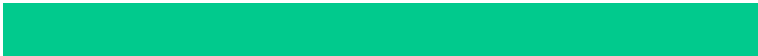
Harmonies

Analogous

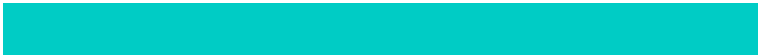
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1706, 0.3307, 0.4831



44.1706, 0.2532, 0.4311



44.1706, 0.1962, 0.3400

Triad

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



44.1706, 0.2532, 0.4311



44.1706, 0.2118, 0.2032



44.1706, 0.4786, 0.3613

Complementary

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



44.1706, 0.2532, 0.4311



12.9405, 0.5742, 0.2942

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.



44.1706, 0.4402, 0.3020



44.1706, 0.2532, 0.4311



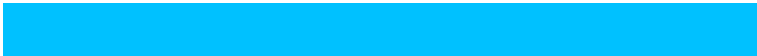
44.1706, 0.2760, 0.2160

Square

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



44.1706, 0.2532, 0.4311



44.1706, 0.1767, 0.2165



44.1706, 0.3611, 0.2510



44.1706, 0.4636, 0.4219

Rectangle

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



44.1706, 0.2532, 0.4311



44.1706, 0.1758, 0.2840



44.1706, 0.3611, 0.2510



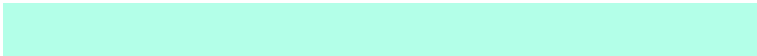
44.1706, 0.4718, 0.3411

Sweetspot

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



44.1723, 0.2532, 0.4311



86.8547, 0.2808, 0.3547



43.3659, 0.3156, 0.5872



18.2885, 0.2769, 0.3588



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.



44.1723, 0.2532, 0.4311



74.7107, 0.2537, 0.4334



31.2665, 0.2083, 0.2694



12.6666, 0.3023, 0.3361



28.4268, 0.2529, 0.4304



1.4796, 0.2467, 0.4080

Inverse Universe

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



12.9405, 0.5742, 0.2942



21.8042, 0.5796, 0.2967



13.9590, 0.6198, 0.3452



11.2689, 0.3243, 0.3220



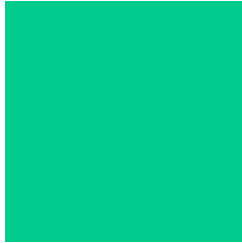
8.3140, 0.5727, 0.2929



0.4425, 0.5161, 0.2617

Previews

White Background



This preview shows how the Yxy color 44.1706, 0.2532, 0.4311 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 44.1706, 0.2532, 0.4311 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 44.1706, 0.2532, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 44.1706, 0.2532, 0.4311.

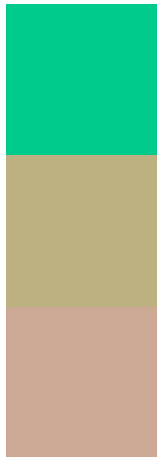


This preview shows how white text looks on a background with the Yxy color 44.1706, 0.2532, 0.4311.

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

44.1706, 0.2532, 0.4311

Protanopia

43.4545, 0.3648, 0.3917

Deuteranopia

43.2106, 0.3638, 0.3559



Tritanopia

43.9723, 0.2289, 0.3053

Trichromacy



Original Color

44.1706, 0.2532, 0.4311



Protanomaly

40.4563, 0.2996, 0.4113



Deuteranomaly

39.8379, 0.2979, 0.3848



Tritanomaly

43.4760, 0.2353, 0.3475

Monochromacy



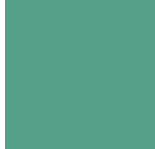
Original Color

44.1706, 0.2532, 0.4311



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.5809, 0.2680, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1706, 0.2532, 0.4311 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(1, 202, 141)` looks like.

```
.text, #text, p{  
    color:rgb(1, 202, 141)  
}
```

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(1, 202, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 202, 141) }
```

Border

The CSS property to change the border of an element to Yxy 44.1706, 0.2532, 0.4311 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(1, 202, 141) }
```

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

```
.border{ border-color:rgb(1, 202, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 202, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 202, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 202, 141);  
box-shadow:4px 4px 4px 4px rgb(1, 202,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1706, 0.2532, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 202, 141) }
```

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

```
.background{ background-color: rgb(1, 202,  
141) }
```

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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