

Converting Colors

$Yxy(44.9462, 0.2566, 0.4436)$

Have a look what the booklet for
Yxy(44.9462, 0.2566, 0.4436)
contains.

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Color

Yxy(44.9415, 0.2568, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	01CC87
RGB	1, 204, 135
RGB Percent	0%, 80%, 53%
CMY	0.9977, 0.2000, 0.4705
CMYK	1.00, 0.00, 0.34, 0.20
HSL	160°, 99%, 40%
HSV	160°, 100%, 80%
XYZ	25.9756, 44.9415, 30.2341
YIQ	135.4370, -98.8390, -64.4950

Conversions

Conversions Part 2

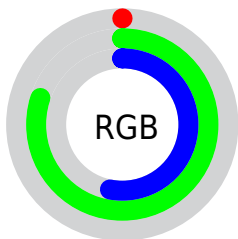
Format	Color
RYB	1, 123, 204
Decimal	117895
CIELab	72.85, -58.52, 22.72
CIELCh	73, 62.770, 158.783
Yxy	44.9415, 0.2568, 0.4443
Android (android.graphics.Color)	4278307975 (0xFF01CC87)
YUV	135.4370, -0.2154, -117.9012
Hunter-Lab	67.0384, -48.1531, 20.1873

Details

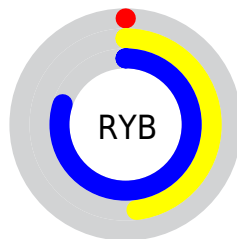
The Yxy color **44.9415, 0.2568, 0.4443** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.2882, 0.5627, 0.2876**, and the grayscale version is **24.3820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0189, 0.2668, 0.4128**, and **21.8357, 0.2645, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **44.9339, 0.2569, 0.4447**, and if you desaturate by 10%, it is **45.3001, 0.2551, 0.4315**.

Distribution



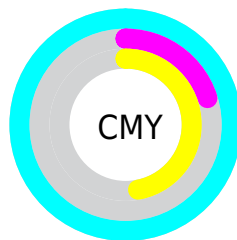
- Red (0%)
- Green (80%)
- Blue (53%)



- Red (0%)
- Yellow (48%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9415, 0.2568, 0.4443 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 44.9415, 0.2568, 0.4443 by changing the saturation by 10% instead.


 44.9415, 0.2568,
0.4443

 44.9415, 0.2568,
0.4443


366.5366, 0.2868,
0.3823


 31.4114, 0.2487,
0.4612


 82.6326, 0.2682,
0.4207

 20.9123, 0.2379,
0.4837

 107.5624, 0.2723,
0.4122

 13.0599, 0.2229,
0.5150

 137.0608, 0.2757,
0.4051

 7.4698, 0.2008,
0.5612

 171.5123, 0.2786,
0.3991

 3.7576, 0.1661,
0.6345

 211.3012, 0.2811,
0.3940

 1.5389, 0.0000,
1.0000

256.8120, 0.2832,

 0.3159, 0.0000,

0.3896

1.0000

308.4289, 0.2851,
0.3857

■ 0.0000, 0.0000,
0.0000

■ 44.9415, 0.2568,
0.4443

■ 44.9415, 0.2568,
0.4443

■ 44.9339, 0.2569,
0.4447

■ 45.3001, 0.2551,
0.4315

■ 45.8345, 0.2551,
0.4185

■ 46.5998, 0.2571,
0.4054

■ 47.6255, 0.2611,
0.3925

■ 48.9369, 0.2668,
0.3800

■ 50.5558, 0.2742,
0.3681

■ 52.5023, 0.2827,
0.3570

■ 54.7943, 0.2923,
0.3467

■ 57.4487, 0.3025,
0.3373

Harmonies

Analogous

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



44.9415, 0.3383, 0.4926



44.9415, 0.2568, 0.4443



44.9415, 0.1952, 0.3490

Triad

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



44.9415, 0.2568, 0.4443



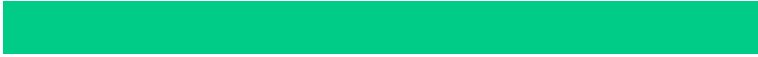
44.9415, 0.2030, 0.1983



44.9415, 0.4851, 0.3558

Complementary

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



44.9415, 0.2568, 0.4443



13.2882, 0.5627, 0.2876

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.



44.9415, 0.4401, 0.2951



44.9415, 0.2568, 0.4443



44.9415, 0.2669, 0.2094

Square

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



44.9415, 0.2568, 0.4443



44.9415, 0.1696, 0.2144



44.9415, 0.3547, 0.2436



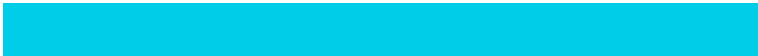
44.9415, 0.4734, 0.4190

Rectangle

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



44.9415, 0.2568, 0.4443



44.9415, 0.1722, 0.2885



44.9415, 0.3547, 0.2436



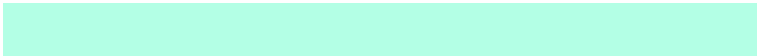
44.9415, 0.4763, 0.3350

Sweetspot

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



44.9433, 0.2568, 0.4443



86.7045, 0.2821, 0.3577



44.5604, 0.3185, 0.5851



18.2526, 0.2784, 0.3624



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.



44.9433, 0.2568, 0.4443



74.3666, 0.2573, 0.4463



34.4413, 0.2113, 0.2805



12.6599, 0.3028, 0.3370



28.2974, 0.2564, 0.4429



1.4737, 0.2494, 0.4178

Inverse Universe

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



13.2882, 0.5627, 0.2876



21.9397, 0.5668, 0.2896



13.8251, 0.6261, 0.3408



11.2754, 0.3238, 0.3212



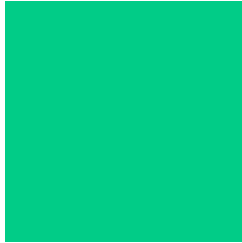
8.3676, 0.5599, 0.2858



0.4458, 0.5045, 0.2553

Previews

White Background



This preview shows how the Yxy color 44.9415, 0.2568, 0.4443 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 44.9415, 0.2568, 0.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

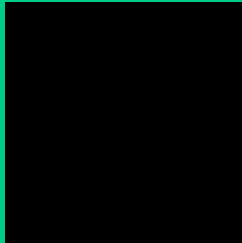
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9415, 0.2568, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 44.9415, 0.2568, 0.4443.

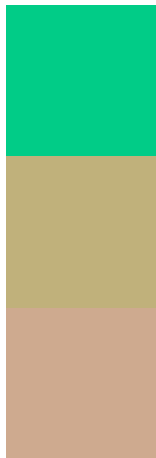


This preview shows how white text looks on a background with the Yxy color 44.9415, 0.2568, 0.4443.

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

44.9415, 0.2568, 0.4443

Protanopia

44.0808, 0.3724, 0.4000

Deuteranopia

43.8544, 0.3710, 0.3632



Tritanopia

45.0229, 0.2301, 0.3070

Trichromacy



Original Color

44.9415, 0.2568, 0.4443



Protanomaly

41.2105, 0.3045, 0.4235



Deuteranomaly

40.1746, 0.3024, 0.3941



Tritanomaly

44.3650, 0.2367, 0.3522

Monochromacy



Original Color

44.9415, 0.2568, 0.4443



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.8693, 0.2697, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9415, 0.2568, 0.4443 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, 204, 135)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 135)  
}
```

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, 204, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 135) }
```

Border

The CSS property to change the border of an element to Yxy 44.9415, 0.2568, 0.4443 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, 204, 135) }
```

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

```
.border{ border-color:rgb(1, 204, 135) }
```

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

Here you see how a box with a 4 pixel rgb(1, 204, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 135);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9415, 0.2568, 0.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 135) }
```

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

```
.background{ background-color: rgb(1, 204,  
135) }
```

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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