

Converting Colors

$Y_{xy}(45.9585, 0.2535, 0.4322)$

Have a look what the booklet for
Yxy(45.9585, 0.2535, 0.4322)
contains.

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Color

Yxy(46.1322, 0.2536, 0.4326)

Conversions

Conversions Part 1

Format	Color
Hex	01CE8F
RGB	1, 206, 143
RGB Percent	0%, 81%, 56%
CMY	0.9950, 0.1922, 0.4392
CMYK	0.99, 0.00, 0.31, 0.19
HSL	162°, 99%, 41%
HSV	162°, 99%, 81%
XYZ	27.0437, 46.1322, 33.4634
YIQ	137.5230, -101.9570, -63.0530

Conversions

Conversions Part 2

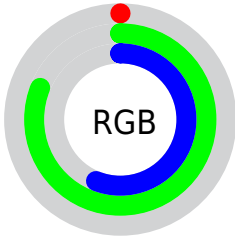
Format	Color
RYB	1, 122, 206
Decimal	118415
CIELab	73.63, -57.48, 19.57
CIELCh	74, 60.720, 161.200
Yxy	46.1322, 0.2536, 0.4326
Android (android.graphics.Color)	4278308495 (0xFF01CE8F)
YUV	137.5230, 2.7002, -119.7307
Hunter-Lab	67.9207, -47.7885, 18.3332

Details

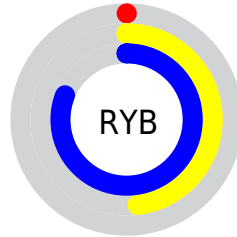
The Yxy color **46.1322, 0.2536, 0.4326** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.5229, 0.5735, 0.2938**, and the grayscale version is **25.2758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3760, 0.2632, 0.4021**, and **22.5854, 0.2608, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **46.1139, 0.2537, 0.4333**, and if you desaturate by 10%, it is **46.4926, 0.2522, 0.4210**.

Distribution



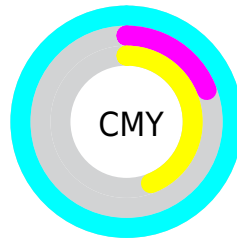
- Red (0%)
- Green (81%)
- Blue (56%)



- Red (0%)
- Yellow (48%)
- Blue (81%)



- Cyan (99%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1322, 0.2536, 0.4326 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 46.1322, 0.2536, 0.4326 by changing the saturation by 10% instead.


 46.1322, 0.2536,
0.4326


 46.1322, 0.2536,
0.4326


371.3399, 0.2846,
0.3775

 32.3502, 0.2454,
0.4474


 84.4168, 0.2652,
0.4118


 21.6291, 0.2346,
0.4671


 109.6882, 0.2695,
0.4042


 13.5846, 0.2199,
0.4944

 139.5581, 0.2730,
0.3979

 7.8323, 0.1986,
0.5344

 174.4110, 0.2761,
0.3925

 3.9879, 0.1659,
0.5976

 214.6312, 0.2787,
0.3879

 1.6668, 0.0158,
0.8448

260.6031, 0.2809,

 0.4020, 0.0000,

0.3840

1.0000

312.7112, 0.2829,
0.3805

■ 0.0000, 0.0000,
0.0000

■ 46.1322, 0.2536,
0.4326

■ 46.1322, 0.2536,
0.4326

■ 46.1139, 0.2537,
0.4333

■ 46.4926, 0.2522,
0.4210

■ 47.0344, 0.2525,
0.4093

■ 47.8111, 0.2549,
0.3976

■ 48.8530, 0.2591,
0.3860

■ 50.1854, 0.2652,
0.3747

■ 51.8309, 0.2729,
0.3640

■ 53.8096, 0.2818,
0.3540

■ 56.1400, 0.2918,
0.3447

■ 58.8392, 0.3024,
0.3362

Harmonies

Analogous

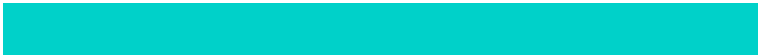
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1322, 0.3316, 0.4842



46.1322, 0.2536, 0.4326



46.1322, 0.1961, 0.3410

Triad

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



46.1322, 0.2536, 0.4326



46.1322, 0.2108, 0.2026



46.1322, 0.4794, 0.3607

Complementary

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



46.1322, 0.2536, 0.4326



13.5229, 0.5735, 0.2938

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.



46.1322, 0.4402, 0.3013



46.1322, 0.2536, 0.4326



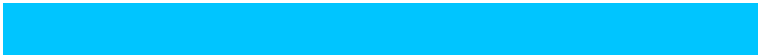
46.1322, 0.2750, 0.2153

Square

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



46.1322, 0.2536, 0.4326



46.1322, 0.1758, 0.2162



46.1322, 0.3604, 0.2501



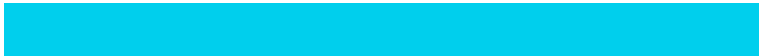
46.1322, 0.4647, 0.4216

Rectangle

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



46.1322, 0.2536, 0.4326



46.1322, 0.1754, 0.2845



46.1322, 0.3604, 0.2501



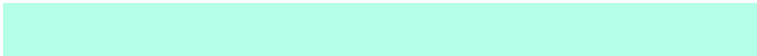
46.1322, 0.4723, 0.3404

Sweetspot

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



46.1340, 0.2536, 0.4326



86.8396, 0.2809, 0.3550



45.3074, 0.3154, 0.5873



18.2849, 0.2770, 0.3592



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.



46.1340, 0.2536, 0.4326



74.6754, 0.2541, 0.4347



32.6426, 0.2082, 0.2692



12.6660, 0.3024, 0.3362



28.4135, 0.2532, 0.4316



1.4790, 0.2470, 0.4090

Inverse Universe

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



13.5229, 0.5735, 0.2938



21.8169, 0.5784, 0.2960



14.5631, 0.6202, 0.3450



11.2696, 0.3242, 0.3219



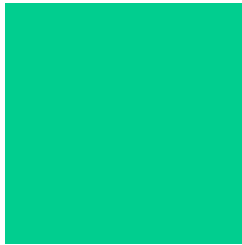
8.3191, 0.5715, 0.2922



0.4428, 0.5150, 0.2610

Previews

White Background



This preview shows how the Yxy color 46.1322, 0.2536, 0.4326 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 46.1322, 0.2536, 0.4326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

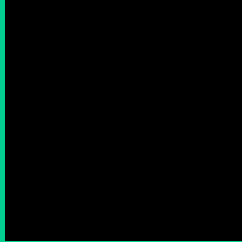
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1322, 0.2536, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 46.1322, 0.2536, 0.4326.

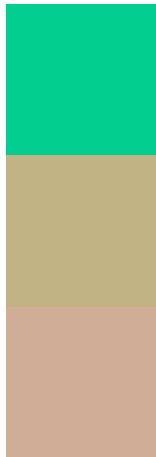


This preview shows how white text looks on a background with the Yxy color 46.1322, 0.2536, 0.4326.

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

46.1322, 0.2536, 0.4326

Protanopia

45.2163, 0.3658, 0.3918

Deuteranopia

45.3545, 0.3645, 0.3579



Tritanopia

46.0387, 0.2292, 0.3058

Trichromacy



Original Color

46.1322, 0.2536, 0.4326



Protanomaly

42.3554, 0.2997, 0.4129



Deuteranomaly

41.7100, 0.2981, 0.3869



Tritanomaly

45.4973, 0.2351, 0.3472

Monochromacy



Original Color

46.1322, 0.2536, 0.4326



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

30.1625, 0.2682, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1322, 0.2536, 0.4326 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, 206, 143)` looks like.

```
.text, #text, p{  
    color:rgb(1, 206, 143)  
}
```

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, 206, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 206, 143) }
```

Border

The CSS property to change the border of an element to Yxy 46.1322, 0.2536, 0.4326 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, 206, 143) }
```

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

```
.border{ border-color:rgb(1, 206, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 206, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 206, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 206, 143);  
box-shadow:4px 4px 4px 4px rgb(1, 206,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1322, 0.2536, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 206, 143) }
```

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

```
.background{ background-color: rgb(1, 206,  
143) }
```

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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