

Converting Colors

$Y_{xy}(47.5072, 0.2565, 0.4435)$

Have a look what the booklet for
Yxy(47.5072, 0.2565, 0.4435)
contains.

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Color

Yxy(47.4650, 0.2565, 0.4433)

Conversions

Conversions Part 1

Format	Color
Hex	00D18B
RGB	0, 209, 139
RGB Percent	0%, 82%, 55%
CMY	0.9987, 0.1804, 0.4549
CMYK	1.00, 0.00, 0.33, 0.18
HSL	160°, 100%, 41%
HSV	160°, 100%, 82%
XYZ	27.4640, 47.4650, 32.1430
YIQ	138.5290, -102.0940, -66.0780

Conversions

Conversions Part 2

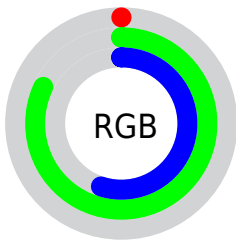
Format	Color
RYB	0, 126, 209
Decimal	53643
CIELab	74.49, -59.47, 22.84
CIElCh	74, 63.706, 158.990
Yxy	47.4650, 0.2565, 0.4433
Android (android.graphics.Color)	4278243723 (0xFF00D18B)
YUV	138.5290, 0.2322, -121.4899
Hunter-Lab	68.8948, -49.4095, 20.5645

Details

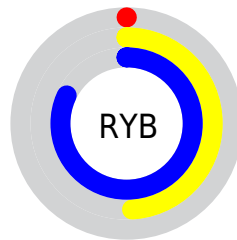
The Yxy color **47.4650, 0.2565, 0.4433** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.0085, 0.5649, 0.2887**, and the grayscale version is **25.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2538, 0.2654, 0.4074**, and **23.4870, 0.2646, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **47.4615, 0.2565, 0.4435**, and if you desaturate by 10%, it is **47.8383, 0.2548, 0.4306**.

Distribution



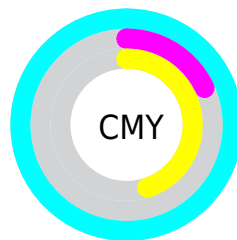
- Red (0%)
- Green (82%)
- Blue (55%)



- Red (0%)
- Yellow (49%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4650, 0.2565, 0.4433 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 47.4650, 0.2565, 0.4433 by changing the saturation by 10% instead.

 47.4650, 0.2565,
0.4433


 47.4650, 0.2565,
0.4433


376.6676, 0.2863,
0.3824

 33.4034, 0.2485,
0.4597


 86.4073, 0.2677,
0.4203

 22.4357, 0.2380,
0.4813


 112.0568, 0.2718,
0.4119


 14.1774, 0.2235,
0.5113


 142.3377, 0.2753,
0.4049

 8.2441, 0.2025,
0.5550

 177.6345, 0.2781,
0.3990

 4.2516, 0.1698,
0.6235

 218.3315, 0.2806,
0.3940

 1.8153, 0.0356,
0.8911

264.8130, 0.2828,

 0.4967, 0.0000,

0.3896

1.0000

317.4636, 0.2847,
0.3858

■ 0.0000, 0.0000,
0.0000

■ 47.4650, 0.2565,
0.4433

■ 47.4650, 0.2565,
0.4433

■ 47.4615, 0.2565,
0.4435

■ 47.8383, 0.2548,
0.4306

■ 48.3963, 0.2548,
0.4178

■ 49.1976, 0.2567,
0.4048

■ 50.2738, 0.2607,
0.3921

■ 51.6516, 0.2665,
0.3797

■ 53.3545, 0.2738,
0.3679

■ 55.4034, 0.2824,
0.3568

■ 57.8178, 0.2920,
0.3466

■ 60.6153, 0.3023,
0.3373

Harmonies

Analogous

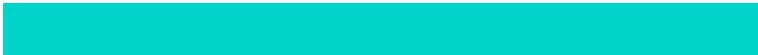
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4650, 0.3377, 0.4919



47.4650, 0.2565, 0.4433



47.4650, 0.1953, 0.3482

Triad

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



47.4650, 0.2565, 0.4433



47.4650, 0.2036, 0.1986



47.4650, 0.4846, 0.3562

Complementary

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



47.4650, 0.2565, 0.4433



14.0085, 0.5649, 0.2887

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.



47.4650, 0.4402, 0.2957



47.4650, 0.2565, 0.4433



47.4650, 0.2676, 0.2099

Square

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



47.4650, 0.2565, 0.4433



47.4650, 0.1701, 0.2145



47.4650, 0.3553, 0.2442



47.4650, 0.4726, 0.4192

Rectangle

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



47.4650, 0.2565, 0.4433



47.4650, 0.1725, 0.2882



47.4650, 0.3553, 0.2442



47.4650, 0.4760, 0.3355

Sweetspot

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



47.4669, 0.2565, 0.4433



86.7205, 0.2820, 0.3574



47.0318, 0.3183, 0.5853



18.2564, 0.2782, 0.3620



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.



47.4669, 0.2565, 0.4433



74.4023, 0.2569, 0.4449



36.3265, 0.2112, 0.2803



13.3369, 0.3027, 0.3369



29.2827, 0.2560, 0.4417



1.6517, 0.2496, 0.4184

Inverse Universe

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



14.0085, 0.5649, 0.2887



21.9243, 0.5682, 0.2904



14.5691, 0.6265, 0.3406



11.8727, 0.3239, 0.3212



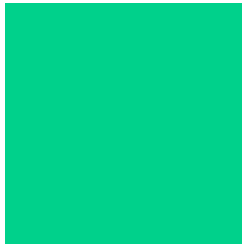
8.6477, 0.5616, 0.2867



0.4982, 0.5095, 0.2581

Previews

White Background



This preview shows how the Yxy color 47.4650, 0.2565, 0.4433 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 47.4650, 0.2565, 0.4433 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 47.4650, 0.2565, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 47.4650, 0.2565, 0.4433.



This preview shows how white text looks on a background with the Yxy color 47.4650, 0.2565, 0.4433.

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

47.4650, 0.2565, 0.4433

Protanopia

46.7240, 0.3707, 0.3998

Deuteranopia

46.6154, 0.3703, 0.3637



Tritanopia

47.1824, 0.2292, 0.3046

Trichromacy



Original Color

47.4650, 0.2565, 0.4433



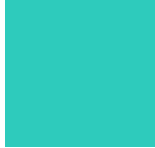
Protanomaly

43.6979, 0.3038, 0.4228



Deuteranomaly

42.6226, 0.3018, 0.3941



Tritanomaly

46.9236, 0.2365, 0.3516

Monochromacy



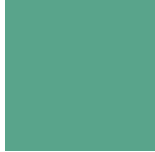
Original Color

47.4650, 0.2565, 0.4433



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.5388, 0.2698, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4650, 0.2565, 0.4433 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, 209, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 139)  
}
```

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, 209, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 139) }
```

Border

The CSS property to change the border of an element to Yxy 47.4650, 0.2565, 0.4433 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, 209, 139) }
```

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

```
.border{ border-color:rgb(0, 209, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4650, 0.2565, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 139) }
```

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

```
.background{ background-color: rgb(0, 209,  
139) }
```

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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