

Converting Colors

$Y_{xy}(49.0031, 0.2538, 0.4335)$

Have a look what the booklet for
Yxy(49.0031, 0.2538, 0.4335)
contains.

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Color

Yxy(49.2000, 0.2537, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	01D493
RGB	1, 212, 147
RGB Percent	0%, 83%, 58%
CMY	0.9968, 0.1686, 0.4235
CMYK	1.00, 0.00, 0.31, 0.17
HSL	162°, 99%, 42%
HSV	162°, 100%, 83%
XYZ	28.8202, 49.2000, 35.5794
YIQ	141.5010, -104.8910, -64.9470

Conversions

Conversions Part 2

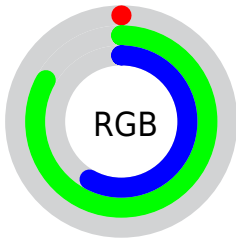
Format	Color
R _Y B	1, 126, 212
Decimal	119955
CIE Lab	75.58, -58.81, 20.13
CIE LCh	76, 62.163, 161.102
Yxy	49.2000, 0.2537, 0.4331
Android (android.graphics.Color)	4278310035 (0xFF01D493)
YUV	141.5010, 2.7110, -123.2194
Hunter-Lab	70.1427, -49.4077, 19.0255

Details

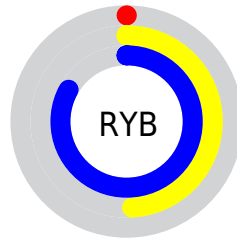
The Yxy color **49.2000, 0.2537, 0.4331** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.4069, 0.5746, 0.2942**, and the grayscale version is **26.8412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6801, 0.2622, 0.3966**, and **24.6215, 0.2607, 0.4585** is the 20% darker color. If you saturate the color by 10%, you get **49.1888, 0.2538, 0.4335**, and if you desaturate by 10%, it is **49.5782, 0.2523, 0.4215**.

Distribution



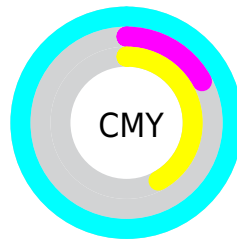
- Red (0%)
- Green (83%)
- Blue (58%)



- Red (0%)
- Yellow (49%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (17%)




- Cyan (100%)
- Magenta (17%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2000, 0.2537, 0.4331 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 49.2000, 0.2537, 0.4331 by changing the saturation by 10% instead.


 49.2000, 0.2537,
0.4331

 49.2000, 0.2537,
0.4331


383.5291, 0.2844,
0.3782

 34.7782, 0.2457,
0.4477


 88.9884, 0.2651,
0.4125


 23.4920, 0.2353,
0.4668


 115.1238, 0.2693,
0.4050


 14.9572, 0.2211,
0.4932


 145.9325, 0.2728,
0.3987

 8.7894, 0.2009,
0.5313

 181.7988, 0.2758,
0.3933

 4.6041, 0.1702,
0.5906

 223.1073, 0.2784,
0.3888

 2.0169, 0.0755,
0.7498

270.2422, 0.2807,

 0.6173, 0.0000,

0.3848

1.0000

323.5881, 0.2826,
0.3813

■ 0.0000, 0.0000,
0.0000

■ 49.2000, 0.2537,
0.4331

■ 49.2000, 0.2537,
0.4331

■ 49.1888, 0.2538,
0.4335

■ 49.5782, 0.2523,
0.4215

■ 50.1482, 0.2525,
0.4098

■ 50.9685, 0.2547,
0.3980

■ 52.0715, 0.2590,
0.3864

■ 53.4848, 0.2650,
0.3751

■ 55.2324, 0.2726,
0.3644

■ 57.3362, 0.2816,
0.3543

■ 59.8160, 0.2915,
0.3450

■ 62.6902, 0.3021,
0.3364

Harmonies

Analogous

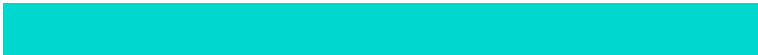
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.2000, 0.3318, 0.4846



49.2000, 0.2537, 0.4331



49.2000, 0.1960, 0.3413

Triad

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



49.2000, 0.2537, 0.4331



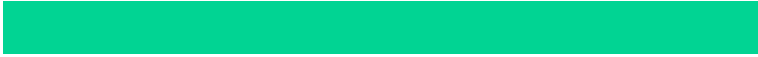
49.2000, 0.2104, 0.2024



49.2000, 0.4797, 0.3605

Complementary

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



49.2000, 0.2537, 0.4331



14.4069, 0.5746, 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.



49.2000, 0.4403, 0.3010



49.2000, 0.2537, 0.4331



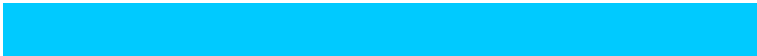
49.2000, 0.2746, 0.2150

Square

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



49.2000, 0.2537, 0.4331



49.2000, 0.1755, 0.2161



49.2000, 0.3602, 0.2498



49.2000, 0.4651, 0.4215

Rectangle

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



49.2000, 0.2537, 0.4331



49.2000, 0.1752, 0.2847



49.2000, 0.3602, 0.2498



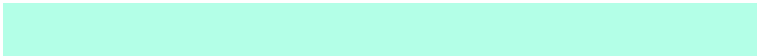
49.2000, 0.4726, 0.3402

Sweetspot

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



49.2019, 0.2537, 0.4331



86.8393, 0.2809, 0.3550



48.3098, 0.3152, 0.5877



18.2848, 0.2770, 0.3592



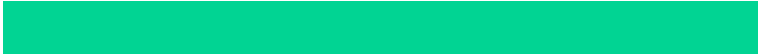
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.2019, 0.2537, 0.4331



74.6747, 0.2541, 0.4347



34.7567, 0.2081, 0.2689



14.0397, 0.3023, 0.3363



30.3834, 0.2533, 0.4319



1.8471, 0.2477, 0.4119

Inverse Universe

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



14.4069, 0.5746, 0.2942



21.8172, 0.5783, 0.2960



15.4860, 0.6210, 0.3447



12.4831, 0.3243, 0.3218



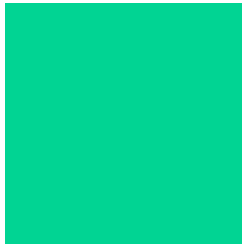
8.8944, 0.5720, 0.2925



0.5511, 0.5224, 0.2651

Previews

White Background



This preview shows how the Yxy color 49.2000, 0.2537, 0.4331 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 49.2000, 0.2537, 0.4331 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 49.2000, 0.2537, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 49.2000, 0.2537, 0.4331.

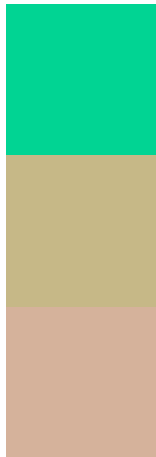


This preview shows how white text looks on a background with the Yxy color 49.2000, 0.2537, 0.4331.

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

49.2000, 0.2537, 0.4331

Protanopia

48.0360, 0.3652, 0.3916

Deuteranopia

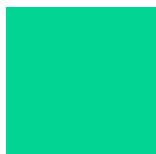
48.3535, 0.3640, 0.3572



Tritanopia

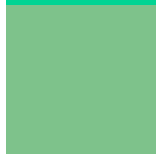
49.2041, 0.2292, 0.3064

Trichromacy



Original Color

49.2000, 0.2537, 0.4331



Protanomaly

44.8833, 0.2992, 0.4125



Deuteranomaly

44.3282, 0.2976, 0.3854



Tritanomaly

48.5737, 0.2353, 0.3482

Monochromacy



Original Color

49.2000, 0.2537, 0.4331



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.7943, 0.2683, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2000, 0.2537, 0.4331 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, 212, 147)` looks like.

```
.text, #text, p{  
    color:rgb(1, 212, 147)  
}
```

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, 212, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 212, 147) }
```

Border

The CSS property to change the border of an element to Yxy 49.2000, 0.2537, 0.4331 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, 212, 147) }
```

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

```
.border{ border-color:rgb(1, 212, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 212, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 212, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 212, 147);  
box-shadow:4px 4px 4px 4px rgb(1, 212,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2000, 0.2537, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 212, 147) }
```

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

```
.background{ background-color: rgb(1, 212,  
147) }
```

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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