

Converting Colors

$Y_{xy}(48.3262, 0.2536, 0.4328)$

Have a look what the booklet for
Yxy(48.3262, 0.2536, 0.4328)
contains.

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Color

Yxy(48.1750, 0.2535, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	01D292
RGB	1, 210, 146
RGB Percent	0%, 82%, 57%
CMY	0.9957, 0.1765, 0.4273
CMYK	0.99, 0.00, 0.30, 0.18
HSL	162°, 99%, 41%
HSV	162°, 99%, 82%
XYZ	28.2497, 48.1750, 35.0141
YIQ	140.2130, -104.0200, -64.2120

Conversions

Conversions Part 2

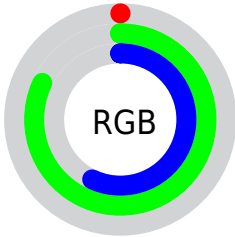
Format	Color
RYB	1, 124, 210
Decimal	119442
CIELab	74.94, -58.28, 19.76
CIELCh	75, 61.543, 161.269
Yxy	48.1750, 0.2535, 0.4323
Android (android.graphics.Color)	4278309522 (0xFF01D292)
YUV	140.2130, 2.8530, -122.0898
Hunter-Lab	69.4082, -48.8133, 18.6760

Details

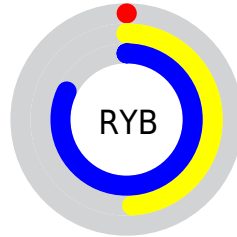
The Yxy color **48.1750, 0.2535, 0.4323** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.1083, 0.5746, 0.2943**, and the grayscale version is **26.3455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6332, 0.2626, 0.3979**, and **23.9374, 0.2605, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **48.1593, 0.2536, 0.4329**, and if you desaturate by 10%, it is **48.5474, 0.2521, 0.4208**.

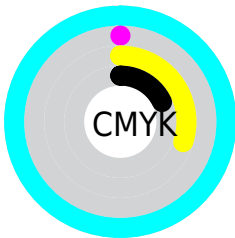
Distribution



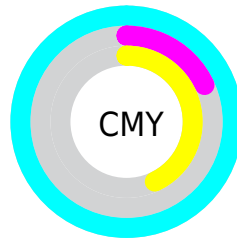
- Red (0%)
- Green (82%)
- Blue (57%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (30%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1750, 0.2535, 0.4323 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 48.1750, 0.2535, 0.4323 by changing the saturation by 10% instead.


 48.1750, 0.2535,
0.4323


 48.1750, 0.2535,
0.4323


379.4854, 0.2844,
0.3777

 33.9655, 0.2454,
0.4468


 87.4649, 0.2650,
0.4118

 22.8671, 0.2349,
0.4661


 113.3141, 0.2692,
0.4043


 14.4954, 0.2205,
0.4925


 143.8120, 0.2728,
0.3980

 8.4660, 0.2000,
0.5309

 179.3429, 0.2758,
0.3927

 4.3946, 0.1687,
0.5911

 220.2913, 0.2784,
0.3881

 1.8966, 0.0604,
0.7697

267.0416, 0.2806,

 0.5464, 0.0000,

0.3842

1.0000

319.9782, 0.2826,
0.3807

■ 0.0000, 0.0000,
0.0000

■ 48.1750, 0.2535,
0.4323

■ 48.1750, 0.2535,
0.4323

■ 48.1593, 0.2536,
0.4329

■ 48.5474, 0.2521,
0.4208

■ 49.1088, 0.2524,
0.4091

■ 49.9154, 0.2547,
0.3974

■ 50.9988, 0.2590,
0.3859

■ 52.3858, 0.2650,
0.3747

■ 54.1001, 0.2727,
0.3640

■ 56.1628, 0.2817,
0.3540

■ 58.5932, 0.2916,
0.3447

■ 61.4093, 0.3022,
0.3363

Harmonies

Analogous

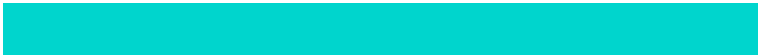
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1750, 0.3314, 0.4840



48.1750, 0.2535, 0.4323



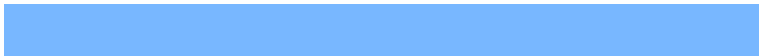
48.1750, 0.1961, 0.3408

Triad

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



48.1750, 0.2535, 0.4323



48.1750, 0.2110, 0.2027



48.1750, 0.4793, 0.3608

Complementary

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



48.1750, 0.2535, 0.4323



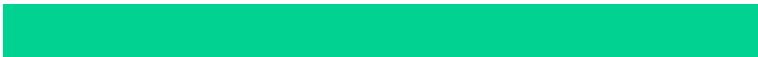
14.1083, 0.5746, 0.2943

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.



48.1750, 0.4403, 0.3014



48.1750, 0.2535, 0.4323



48.1750, 0.2752, 0.2154

Square

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



48.1750, 0.2535, 0.4323



48.1750, 0.1760, 0.2163



48.1750, 0.3606, 0.2503



48.1750, 0.4645, 0.4217

Rectangle

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



48.1750, 0.2535, 0.4323



48.1750, 0.1754, 0.2844



48.1750, 0.3606, 0.2503



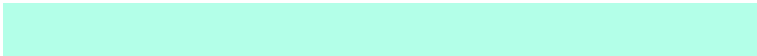
48.1750, 0.4723, 0.3405

Sweetspot

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



48.1769, 0.2535, 0.4323



86.8461, 0.2809, 0.3548



47.2983, 0.3153, 0.5875



18.2864, 0.2769, 0.3590



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.



48.1769, 0.2535, 0.4323



74.6906, 0.2539, 0.4342



34.0524, 0.2082, 0.2691



13.3429, 0.3023, 0.3362



29.3949, 0.2531, 0.4312



1.6574, 0.2472, 0.4101

Inverse Universe

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



14.1083, 0.5746, 0.2943



21.8114, 0.5789, 0.2963



15.1817, 0.6206, 0.3448



11.8670, 0.3243, 0.3219



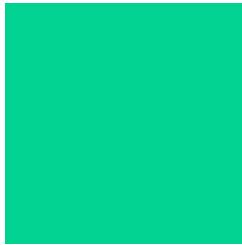
8.6016, 0.5723, 0.2927



0.4951, 0.5194, 0.2635

Previews

White Background



This preview shows how the Yxy color 48.1750, 0.2535, 0.4323 looks on a white background.

Color Contrast Check

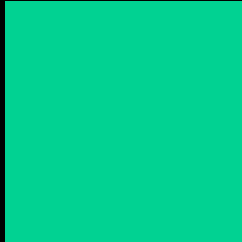
Large Text (above 18pt) WCAG AA × Fail

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 48.1750, 0.2535, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

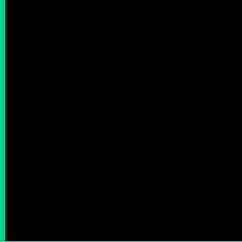
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1750, 0.2535, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 48.1750, 0.2535, 0.4323.

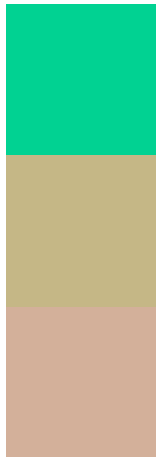


This preview shows how white text looks on a background with the Yxy color 48.1750, 0.2535, 0.4323.

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

48.1750, 0.2535, 0.4323

Protanopia

47.4585, 0.3655, 0.3919

Deuteranopia

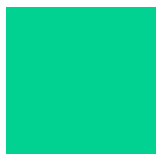
47.2326, 0.3637, 0.3562



Tritanopia

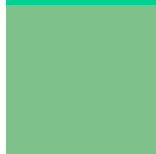
48.1226, 0.2291, 0.3062

Trichromacy



Original Color

48.1750, 0.2535, 0.4323



Protanomaly

44.4105, 0.2999, 0.4128



Deuteranomaly

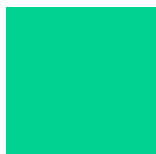
43.3517, 0.2976, 0.3844



Tritanomaly

47.5282, 0.2355, 0.3484

Monochromacy



Original Color

48.1750, 0.2535, 0.4323



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.9871, 0.2679, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1750, 0.2535, 0.4323 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, 210, 146)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 146)  
}
```

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, 210, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 146) }
```

Border

The CSS property to change the border of an element to Yxy 48.1750, 0.2535, 0.4323 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, 210, 146) }
```

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

```
.border{ border-color:rgb(1, 210, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 210, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 146);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1750, 0.2535, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 146) }
```

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

```
.background{ background-color: rgb(1, 210,  
146) }
```

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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