

Converting Colors

$Yxy(50.1813, 0.2491, 0.3986)$

Have a look what the booklet for
Yxy(50.1813, 0.2491, 0.3986)
contains.

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Color

Yxy(50.3906, 0.2491, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	2BD4A7
RGB	43, 212, 167
RGB Percent	17%, 83%, 65%
CMY	0.8311, 0.1686, 0.3452
CMYK	0.80, 0.00, 0.21, 0.17
HSL	164°, 66%, 50%
HSV	164°, 80%, 83%
XYZ	31.5147, 50.3906, 44.6089
YIQ	156.3390, -86.2790, -49.8230

Conversions

Conversions Part 2

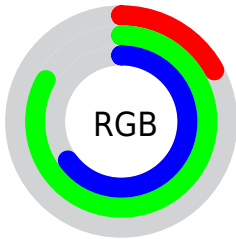
Format	Color
R_{YB}	43, 140, 212
Decimal	2872487
CIE Lab	76.31, -51.81, 10.61
CIE LCh	76, 52.888, 168.427
Yxy	50.3906, 0.2491, 0.3983
Android (android.graphics.Color)	4281062567 (0xFF2BD4A7)
YUV	156.3390, 5.2559, -99.3983
Hunter-Lab	70.9863, -44.9803, 12.4317

Details

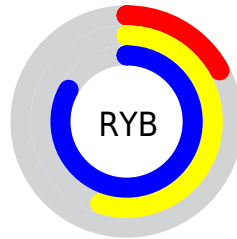
The Yxy color **50.3906, 0.2491, 0.3983** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.4376, 0.5218, 0.2880**, and the grayscale version is **33.4203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5758, 0.2575, 0.3687**, and **25.0147, 0.2487, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **49.8420, 0.2485, 0.4083**, and if you desaturate by 10%, it is **51.1903, 0.2517, 0.3883**.

Distribution



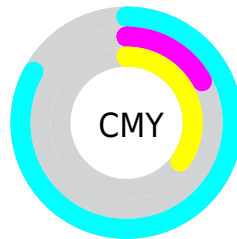
- Red (17%)
- Green (83%)
- Blue (65%)



- Red (17%)
- Yellow (55%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)



- Cyan (83%)
- Magenta (17%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3906, 0.2491, 0.3983 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 50.3906, 0.2491, 0.3983 by changing the saturation by 10% instead.


 50.3906, 0.2491,
0.3983


 50.3906, 0.2491,
0.3983

388.1915, 0.2810,
0.3627

 35.7239, 0.2412,
0.4074


 90.7533, 0.2607,
0.3852


 24.2210, 0.2310,
0.4193


 117.2181, 0.2650,
0.3803


 15.4976, 0.2176,
0.4354


 148.3844, 0.2687,
0.3762

 9.1694, 0.1990,
0.4582

 184.6365, 0.2719,
0.3727

 4.8518, 0.1719,
0.4931

 226.3589, 0.2746,
0.3697

 2.1606, 0.1169,
0.5598

273.9359, 0.2770,

 0.6984, 0.0000,

0.3671

0.9740

327.7520, 0.2791,
0.3648

0.0000, 0.0000,
0.0000

50.3906, 0.2491,
0.3983

50.3906, 0.2491,
0.3983

49.8420, 0.2485,
0.4083

51.1903, 0.2517,
0.3883

49.4817, 0.2496,
0.4183

52.2676, 0.2562,
0.3783

49.4712, 0.2496,
0.4186

53.6520, 0.2626,
0.3687

55.3676, 0.2706,
0.3595

57.4362, 0.2800,
0.3509

■ 59.8774, 0.2903,
0.3428

■ 62.7096, 0.3015,
0.3355

■ 65.9500, 0.3131,
0.3288

■ 69.6145, 0.3249,
0.3228

Harmonies

Analogous

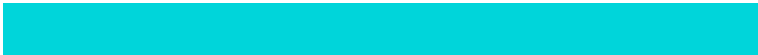
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3906, 0.3141, 0.4525



50.3906, 0.2491, 0.3983



50.3906, 0.2044, 0.3222

Triad

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



50.3906, 0.2491, 0.3983



50.3906, 0.2362, 0.2196



50.3906, 0.4559, 0.3722

Complementary

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



50.3906, 0.2491, 0.3983



16.4376, 0.5218, 0.2880

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.



50.3906, 0.4326, 0.3187



50.3906, 0.2491, 0.3983



50.3906, 0.2977, 0.2357

Square

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



50.3906, 0.2491, 0.3983



50.3906, 0.1986, 0.2266



50.3906, 0.3715, 0.2707



50.3906, 0.4353, 0.4233

Rectangle

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



50.3906, 0.2491, 0.3983



50.3906, 0.1901, 0.2781



50.3906, 0.3715, 0.2707



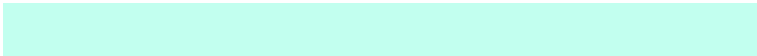
50.3906, 0.4532, 0.3542

Sweetspot

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



50.3926, 0.2491, 0.3983



89.1762, 0.2855, 0.3464



49.3443, 0.3195, 0.5626



18.8078, 0.2818, 0.3493



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.



50.3926, 0.2491, 0.3983



75.2921, 0.2492, 0.4156



34.9982, 0.2129, 0.2685



14.0487, 0.3018, 0.3353



30.5576, 0.2492, 0.4172



1.8565, 0.2444, 0.4000

Inverse Universe

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



16.4376, 0.5218, 0.2880



21.9958, 0.5811, 0.2998



20.2822, 0.5520, 0.3653



12.4746, 0.3250, 0.3228



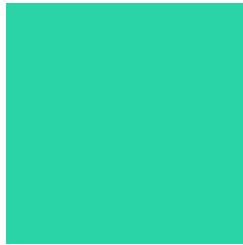
8.8348, 0.5863, 0.3003



0.5467, 0.5363, 0.2728

Previews

White Background



This preview shows how the Yxy color 50.3906, 0.2491, 0.3983 looks on a white background.

Color Contrast Check

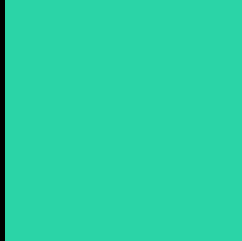
Large Text (above 18pt) WCAG AA × Fail

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 50.3906, 0.2491, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

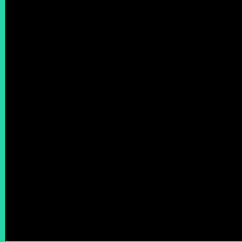
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

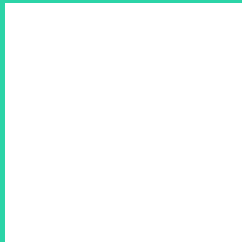
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3906, 0.2491, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 50.3906, 0.2491, 0.3983.

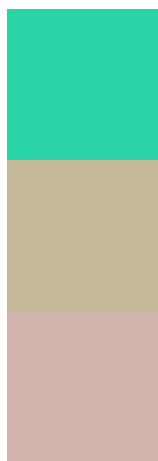


This preview shows how white text looks on a background with the Yxy color 50.3906, 0.2491, 0.3983.

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

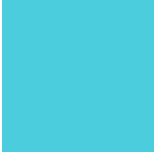
50.3906, 0.2491, 0.3983

Protanopia

49.3212, 0.3480, 0.3698

Deuteranopia

49.2538, 0.3432, 0.3364



Tritanopia

50.4196, 0.2303, 0.3066

Trichromacy



Original Color

50.3906, 0.2491, 0.3983



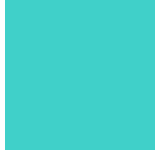
Protanomaly

47.1961, 0.2966, 0.3808



Deuteranomaly

47.0291, 0.2942, 0.3585



Tritanomaly

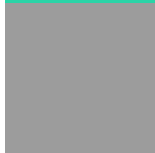
50.4188, 0.2367, 0.3389

Monochromacy



Original Color

50.3906, 0.2491, 0.3983



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.2336, 0.2754, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3906, 0.2491, 0.3983 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(43, 212, 167)` looks like.

```
.text, #text, p{  
    color:rgb(43, 212, 167)  
}
```

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(43, 212, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 212, 167) }
```

Border

The CSS property to change the border of an element to Yxy 50.3906, 0.2491, 0.3983 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(43, 212, 167) }
```

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

```
.border{ border-color:rgb(43, 212, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 212, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 212, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 212, 167);  
box-shadow:4px 4px 4px 4px rgb(43, 212,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3906, 0.2491, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 212, 167) }
```

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

```
.background{ background-color: rgb(43, 212,  
167) }
```

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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