

Converting Colors

$Y_{xy}(47.2348, 0.2031, 0.4359)$

Have a look what the booklet for
Yxy(47.2348, 0.2031, 0.4359)
contains.

Yxy(51.4783, 0.2512, 0.4244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.4783, 0.2512, 0.4244)

Conversions

Conversions Part 1

Format	Color
Hex	00D89B
RGB	0, 216, 155
RGB Percent	0%, 85%, 61%
CMY	1.0000, 0.1529, 0.3921
CMYK	1.00, 0.00, 0.28, 0.15
HSL	163°, 100%, 42%
HSV	163°, 100%, 85%
XYZ	30.4697, 51.4783, 39.3486
YIQ	144.4620, -109.1550, -64.7630

Conversions

Conversions Part 2

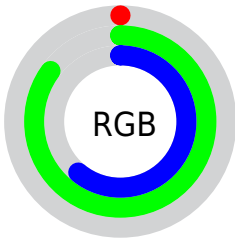
Format	Color
RYB	0, 126, 216
Decimal	55451
CIELab	76.97, -58.52, 17.83
CIELCh	77, 61.180, 163.055
Yxy	51.4783, 0.2512, 0.4244
Android (android.graphics.Color)	4278245531 (0xFF00D89B)
YUV	144.4620, 5.1952, -126.6932
Hunter-Lab	71.7484, -49.7552, 17.7077

Details

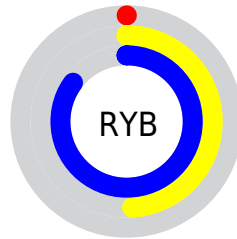
The Yxy color **51.4783, 0.2512, 0.4244** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.9368, 0.5849, 0.2996**, and the grayscale version is **28.1002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1764, 0.2585, 0.3846**, and **26.1411, 0.2573, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **51.4828, 0.2512, 0.4244**, and if you desaturate by 10%, it is **51.8590, 0.2500, 0.4138**.

Distribution



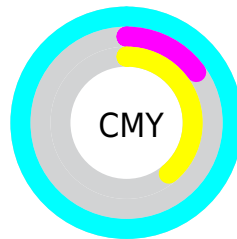
- Red (0%)
- Green (85%)
- Blue (61%)



- Red (0%)
- Yellow (49%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4783, 0.2512, 0.4244 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 51.4783, 0.2512, 0.4244 by changing the saturation by 10% instead.


 51.4783, 0.2512,
0.4244


 51.4783, 0.2512,
0.4244


392.4192, 0.2826,
0.3747

 36.5894, 0.2432,
0.4374


 92.3614, 0.2627,
0.4059


 24.8897, 0.2329,
0.4544


 119.1244, 0.2670,
0.3991


 15.9949, 0.2190,
0.4775


 150.6142, 0.2707,
0.3934

 9.5206, 0.1996,
0.5106

 187.2152, 0.2738,
0.3885

 5.0823, 0.1708,
0.5615

 229.3118, 0.2764,
0.3844

 2.2956, 0.1034,
0.6652

277.2884, 0.2787,

 0.7714, 0.0000,

0.3807

1.0000

331.5294, 0.2808,
0.3775

■ 0.0000, 0.0000,
0.0000

■ 51.4783, 0.2512,
0.4244

■ 51.4783, 0.2512,
0.4244

■ 51.4828, 0.2512,
0.4244

■ 51.8590, 0.2500,
0.4138

■ 52.4316, 0.2503,
0.4031

■ 53.2620, 0.2527,
0.3924

■ 54.3846, 0.2570,
0.3818

■ 55.8284, 0.2632,
0.3716

■ 57.6188, 0.2711,
0.3617

■ 59.7784, 0.2802,
0.3525

■ 62.3282, 0.2904,
0.3439

■ 65.2874, 0.3013,
0.3361

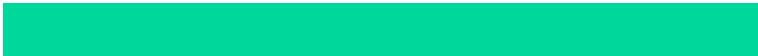
Harmonies

Analogous

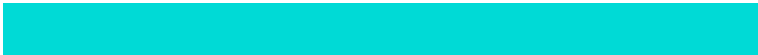
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4783, 0.3267, 0.4781



51.4783, 0.2512, 0.4244



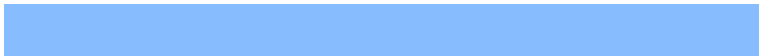
51.4783, 0.1966, 0.3354

Triad

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



51.4783, 0.2512, 0.4244



51.4783, 0.2164, 0.2056



51.4783, 0.4754, 0.3642

Complementary

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



51.4783, 0.2512, 0.4244



14.9368, 0.5849, 0.2996

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.



51.4783, 0.4404, 0.3057



51.4783, 0.2512, 0.4244



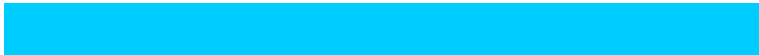
51.4783, 0.2808, 0.2194

Square

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



51.4783, 0.2512, 0.4244



51.4783, 0.1803, 0.2174



51.4783, 0.3645, 0.2548



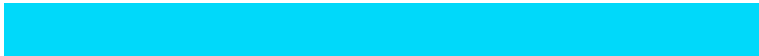
51.4783, 0.4586, 0.4234

Rectangle

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



51.4783, 0.2512, 0.4244



51.4783, 0.1775, 0.2816



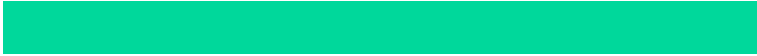
51.4783, 0.3645, 0.2548



51.4783, 0.4696, 0.3443

Sweetspot

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



51.4828, 0.2512, 0.4244



86.9504, 0.2799, 0.3528



50.1141, 0.3121, 0.5904



18.3114, 0.2759, 0.3566



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.



51.4828, 0.2512, 0.4244



74.9390, 0.2515, 0.4254



33.4108, 0.2047, 0.2569



14.0453, 0.3020, 0.3357



30.4896, 0.2508, 0.4228



1.8528, 0.2457, 0.4045

Inverse Universe

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



14.9368, 0.5849, 0.2996



21.7278, 0.5872, 0.3008



16.6173, 0.6161, 0.3490



12.4779, 0.3247, 0.3224



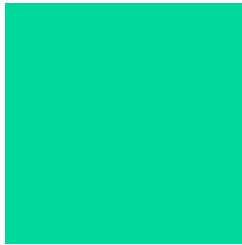
8.8565, 0.5810, 0.2974



0.5483, 0.5310, 0.2699

Previews

White Background



This preview shows how the Yxy color 51.4783, 0.2512, 0.4244 looks on a white background.

Color Contrast Check

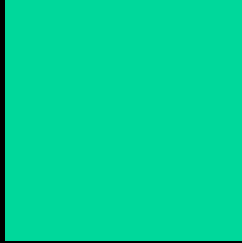
Large Text (above 18pt) WCAG AA × Fail

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 51.4783, 0.2512, 0.4244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

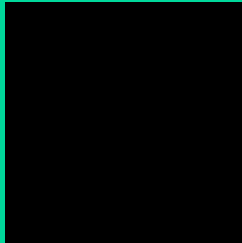
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4783, 0.2512, 0.4244

Background



This preview shows how black text looks on a background with the Yxy color 51.4783, 0.2512, 0.4244.



This preview shows how white text looks on a background with the Yxy color 51.4783, 0.2512, 0.4244.

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

51.4783, 0.2512, 0.4244

Protanopia

50.4760, 0.3617, 0.3867

Deuteranopia

50.2910, 0.3588, 0.3507



Tritanopia

51.3471, 0.2282, 0.3054

Trichromacy



Original Color

51.4783, 0.2512, 0.4244



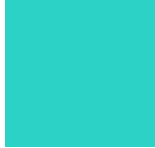
Protanomaly

47.1619, 0.2961, 0.4046



Deuteranomaly

46.4400, 0.2930, 0.3784



Tritanomaly

50.7746, 0.2339, 0.3449

Monochromacy



Original Color

51.4783, 0.2512, 0.4244



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.1629, 0.2668, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4783, 0.2512, 0.4244 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, 216, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 155)  
}
```

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, 216, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 155) }
```

Border

The CSS property to change the border of an element to Yxy 51.4783, 0.2512, 0.4244 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, 216, 155) }
```

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

```
.border{ border-color:rgb(0, 216, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 216, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4783, 0.2512, 0.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 155) }
```

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

```
.background{ background-color: rgb(0, 216,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor