

Converting Colors

$Y_{xy}(50.1535, 0.2478, 0.4271)$

Have a look what the booklet for
Yxy(50.1535, 0.2478, 0.4271)
contains.

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Color

Yxy(50.3930, 0.2515, 0.4253)

Conversions

Conversions Part 1

Format	Color
Hex	00D699
RGB	0, 214, 153
RGB Percent	0%, 84%, 60%
CMY	0.9986, 0.1608, 0.4000
CMYK	1.00, 0.00, 0.29, 0.16
HSL	163°, 100%, 42%
HSV	163°, 100%, 84%
XYZ	29.7998, 50.3930, 38.2954
YIQ	143.0600, -107.9630, -64.3390

Conversions

Conversions Part 2

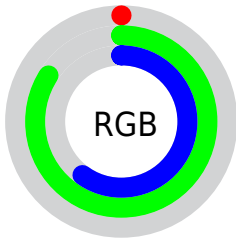
Format	Color
RYB	0, 125, 214
Decimal	54937
CIELab	76.31, -58.21, 17.98
CIELCh	76, 60.927, 162.836
Yxy	50.3930, 0.2515, 0.4253
Android (android.graphics.Color)	4278245017 (0xFF00D699)
YUV	143.0600, 4.9004, -125.4636
Hunter-Lab	70.9880, -49.2973, 17.7069

Details

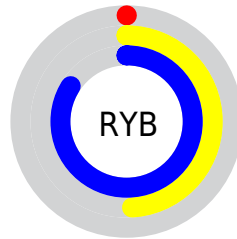
The Yxy color **50.3930, 0.2515, 0.4253** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.6445, 0.5832, 0.2988**, and the grayscale version is **27.5510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0283, 0.2599, 0.3886**, and **25.4130, 0.2577, 0.4479** is the 20% darker color. If you saturate the color by 10%, you get **50.3893, 0.2515, 0.4255**, and if you desaturate by 10%, it is **50.7676, 0.2502, 0.4146**.

Distribution



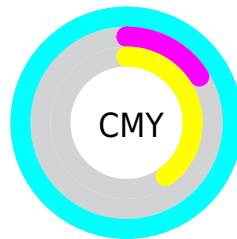
- Red (0%)
- Green (84%)
- Blue (60%)



- Red (0%)
- Yellow (49%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3930, 0.2515, 0.4253 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 50.3930, 0.2515, 0.4253 by changing the saturation by 10% instead.


 50.3930, 0.2515,
0.4253

 50.3930, 0.2515,
0.4253


388.2008, 0.2829,
0.3750

 35.7258, 0.2435,
0.4385


 90.7569, 0.2631,
0.4065


 24.2225, 0.2330,
0.4559


 117.2223, 0.2674,
0.3996

 15.4987, 0.2190,
0.4796


 148.3893, 0.2710,
0.3938

 9.1702, 0.1993,
0.5137

 184.6422, 0.2741,
0.3889

 4.8523, 0.1698,
0.5663

 226.3654, 0.2767,
0.3847

 2.1609, 0.0932,
0.6828

273.9433, 0.2791,

 0.6985, 0.0000,

0.3810

1.0000

327.7603, 0.2811,
0.3778

■ 0.0000, 0.0000,
0.0000

■ 50.3930, 0.2515,
0.4253

■ 50.3930, 0.2515,
0.4253

■ 50.3893, 0.2515,
0.4255

■ 50.7676, 0.2502,
0.4146

■ 51.3344, 0.2506,
0.4038

■ 52.1544, 0.2530,
0.3929

■ 53.2611, 0.2574,
0.3822

■ 54.6827, 0.2636,
0.3719

■ 56.4438, 0.2714,
0.3619

■ 58.5669, 0.2805,
0.3526

■ 61.0721, 0.2907,
0.3440

■ 63.9783, 0.3016,
0.3361

Harmonies

Analogous

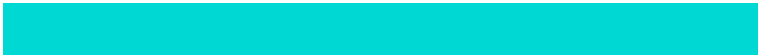
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3930, 0.3272, 0.4788



50.3930, 0.2515, 0.4253



50.3930, 0.1966, 0.3360

Triad

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



50.3930, 0.2515, 0.4253



50.3930, 0.2157, 0.2053



50.3930, 0.4758, 0.3638

Complementary

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



50.3930, 0.2515, 0.4253



14.6445, 0.5832, 0.2988

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.



50.3930, 0.4403, 0.3052



50.3930, 0.2515, 0.4253



50.3930, 0.2801, 0.2190

Square

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



50.3930, 0.2515, 0.4253



50.3930, 0.1798, 0.2173



50.3930, 0.3640, 0.2543



50.3930, 0.4593, 0.4232

Rectangle

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



50.3930, 0.2515, 0.4253



50.3930, 0.1773, 0.2820



50.3930, 0.3640, 0.2543



50.3930, 0.4699, 0.3438

Sweetspot

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



50.3950, 0.2515, 0.4253



86.9366, 0.2801, 0.3530



49.1985, 0.3136, 0.5891



18.3081, 0.2760, 0.3569



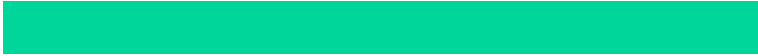
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.3950, 0.2515, 0.4253



74.9057, 0.2518, 0.4265



34.0856, 0.2064, 0.2629



14.0446, 0.3020, 0.3357



30.4762, 0.2511, 0.4239



1.8521, 0.2460, 0.4054

Inverse Universe

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



14.6445, 0.5832, 0.2988



21.7384, 0.5861, 0.3002



16.0309, 0.6187, 0.3468



12.4785, 0.3247, 0.3224



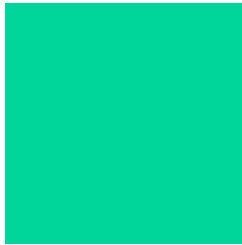
8.8610, 0.5799, 0.2968



0.5487, 0.5299, 0.2693

Previews

White Background



This preview shows how the Yxy color 50.3930, 0.2515, 0.4253 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 50.3930, 0.2515, 0.4253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

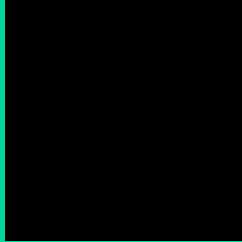
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

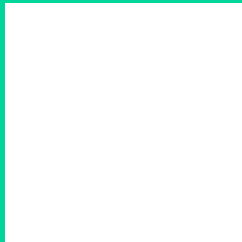
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3930, 0.2515, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 50.3930, 0.2515, 0.4253.

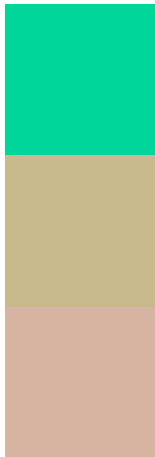


This preview shows how white text looks on a background with the Yxy color 50.3930, 0.2515, 0.4253.

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

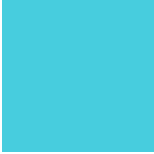
50.3930, 0.2515, 0.4253

Protanopia

49.2906, 0.3622, 0.3872

Deuteranopia

49.5119, 0.3590, 0.3521



Tritanopia

50.2762, 0.2284, 0.3052

Trichromacy



Original Color

50.3930, 0.2515, 0.4253



Protanomaly

46.0362, 0.2960, 0.4055



Deuteranomaly

45.4021, 0.2935, 0.3789



Tritanomaly

49.7009, 0.2340, 0.3450

Monochromacy



Original Color

50.3930, 0.2515, 0.4253



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.7067, 0.2666, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3930, 0.2515, 0.4253 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, 214, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 153)  
}
```

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, 214, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 153) }
```

Border

The CSS property to change the border of an element to Yxy 50.3930, 0.2515, 0.4253 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, 214, 153) }
```

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

```
.border{ border-color:rgb(0, 214, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3930, 0.2515, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 153) }
```

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

```
.background{ background-color: rgb(0, 214,  
153) }
```

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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