

Converting Colors

$Y_{xy}(46.2960, 0.2029, 0.4360)$

Have a look what the booklet for
Yxy(46.2960, 0.2029, 0.4360)
contains.

Yxy(50.4262, 0.2510, 0.4236)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.4262, 0.2510, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	00D69A
RGB	0, 214, 154
RGB Percent	0%, 84%, 60%
CMY	1.0000, 0.1608, 0.3960
CMYK	1.00, 0.00, 0.28, 0.16
HSL	163°, 100%, 42%
HSV	163°, 100%, 84%
XYZ	29.8795, 50.4262, 38.7363
YIQ	143.1740, -108.2840, -64.0280

Conversions

Conversions Part 2

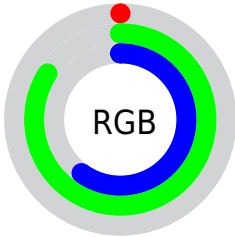
Format	Color
RYB	0, 124, 214
Decimal	54938
CIELab	76.33, -58.00, 17.47
CIELCh	76, 60.574, 163.233
Yxy	50.4262, 0.2510, 0.4236
Android (android.graphics.Color)	4278245018 (0xFF00D69A)
YUV	143.1740, 5.3372, -125.5636
Hunter-Lab	71.0114, -49.1623, 17.3657

Details

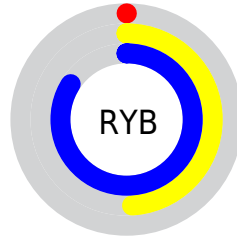
The Yxy color **50.4262, 0.2510, 0.4236** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.6228, 0.5855, 0.2999**, and the grayscale version is **27.5533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1267, 0.2590, 0.3860**, and **25.4330, 0.2571, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **50.4285, 0.2510, 0.4236**, and if you desaturate by 10%, it is **50.7973, 0.2498, 0.4131**.

Distribution



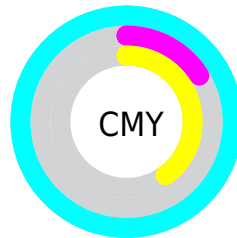
- Red (0%)
- Green (84%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (16%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4262, 0.2510, 0.4236 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 50.4262, 0.2510, 0.4236 by changing the saturation by 10% instead.


 50.4262, 0.2510,
0.4236


 50.4262, 0.2510,
0.4236


388.3303, 0.2826,
0.3742

 35.7522, 0.2429,
0.4366


 90.8060, 0.2626,
0.4052


 24.2428, 0.2325,
0.4535

 117.2806, 0.2670,
0.3984

 15.5139, 0.2185,
0.4767


 148.4575, 0.2706,
0.3927

 9.1808, 0.1988,
0.5101

 184.7211, 0.2737,
0.3879

 4.8593, 0.1694,
0.5616

 226.4558, 0.2764,
0.3838

 2.1650, 0.0941,
0.6736

274.0459, 0.2787,


 0.7008, 0.0000,


0.3802

1.0000

327.8760, 0.2808,
0.3770

 0.0000, 0.0000,
0.0000


 50.4262, 0.2510,
0.4236

 50.4262, 0.2510,
0.4236


 50.4285, 0.2510,
0.4236

 50.7973, 0.2498,
0.4131

 51.3578, 0.2502,
0.4025

 52.1706, 0.2526,
0.3919

 53.2692, 0.2569,
0.3814

 54.6819, 0.2631,
0.3712

■ 56.4334, 0.2710,
0.3615

■ 58.5460, 0.2801,
0.3523

■ 61.0401, 0.2904,
0.3438

■ 63.9345, 0.3013,
0.3360

Harmonies

Analogous

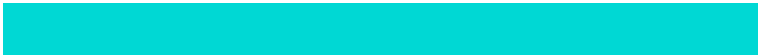
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.4262, 0.3262, 0.4775



50.4262, 0.2510, 0.4236



50.4262, 0.1967, 0.3349

Triad

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



50.4262, 0.2510, 0.4236



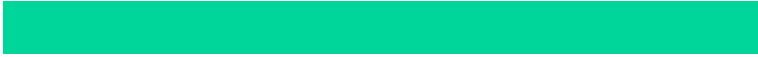
50.4262, 0.2169, 0.2059



50.4262, 0.4750, 0.3645

Complementary

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



50.4262, 0.2510, 0.4236



14.6228, 0.5855, 0.2999

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.



50.4262, 0.4404, 0.3061



50.4262, 0.2510, 0.4236



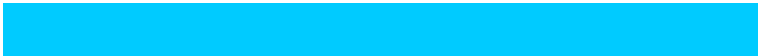
50.4262, 0.2814, 0.2199

Square

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



50.4262, 0.2510, 0.4236



50.4262, 0.1807, 0.2176



50.4262, 0.3649, 0.2553



50.4262, 0.4580, 0.4236

Rectangle

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



50.4262, 0.2510, 0.4236



50.4262, 0.1778, 0.2814



50.4262, 0.3649, 0.2553



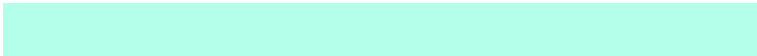
50.4262, 0.4693, 0.3446

Sweetspot

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



50.4285, 0.2510, 0.4236



86.9593, 0.2799, 0.3526



49.0754, 0.3122, 0.5903



18.3136, 0.2758, 0.3564



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.



50.4285, 0.2510, 0.4236



74.9606, 0.2513, 0.4246



32.7263, 0.2047, 0.2570



14.0457, 0.3020, 0.3356



30.4982, 0.2506, 0.4220



1.8533, 0.2455, 0.4039

Inverse Universe

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



14.6228, 0.5855, 0.2999



21.7211, 0.5879, 0.3012



16.2795, 0.6160, 0.3491



12.4775, 0.3247, 0.3225



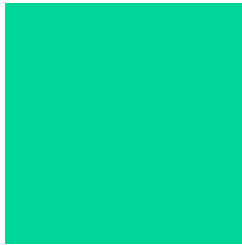
8.8536, 0.5817, 0.2978



0.5481, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 50.4262, 0.2510, 0.4236 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 50.4262, 0.2510, 0.4236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

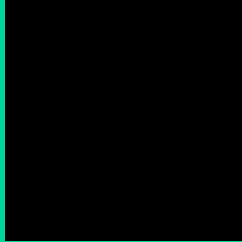
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4262, 0.2510, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 50.4262, 0.2510, 0.4236.

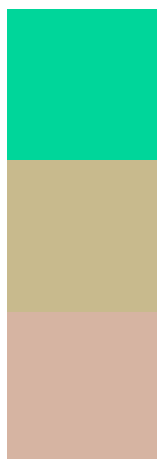


This preview shows how white text looks on a background with the Yxy color 50.4262, 0.2510, 0.4236.

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

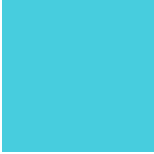
50.4262, 0.2510, 0.4236

Protanopia

49.3203, 0.3614, 0.3859

Deuteranopia

49.5473, 0.3582, 0.3509



Tritanopia

50.2762, 0.2284, 0.3052

Trichromacy



Original Color

50.4262, 0.2510, 0.4236



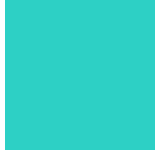
Protanomaly

46.0672, 0.2953, 0.4039



Deuteranomaly

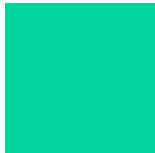
45.4367, 0.2928, 0.3773



Tritanomaly

49.7009, 0.2340, 0.3450

Monochromacy



Original Color

50.4262, 0.2510, 0.4236



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 50.4262, 0.2510, 0.4236 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 154) }
```

Border

The CSS property to change the border of an element to Yxy 50.4262, 0.2510, 0.4236 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, 154) }
```

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

```
.border{ border-color:rgb(0, 214, 154) }
```

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, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4262, 0.2510, 0.4236 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, 154) }
```

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

```
.background{ background-color: rgb(0, 214,  
154) }
```

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