

Converting Colors

$Yxy(41.9569, 0.2527, 0.4354)$

Have a look what the booklet for
Yxy(41.9569, 0.2527, 0.4354)
contains.

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Color

Yxy(42.1657, 0.2542, 0.4350)

Conversions

Conversions Part 1

Format	Color
Hex	00C688
RGB	0, 198, 136
RGB Percent	0%, 78%, 53%
CMY	0.9986, 0.2235, 0.4667
CMYK	1.00, 0.00, 0.31, 0.22
HSL	161°, 100%, 39%
HSV	161°, 100%, 78%
XYZ	24.6403, 42.1657, 30.1267
YIQ	131.7300, -98.1060, -61.2580

Conversions

Conversions Part 2

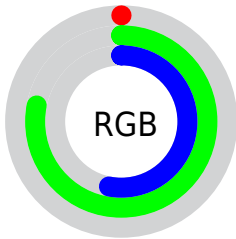
Format	Color
RYB	0, 117, 198
Decimal	50824
CIELab	70.99, -56.12, 19.65
CIElCh	71, 59.461, 160.703
Yxy	42.1657, 0.2542, 0.4350
Android (android.graphics.Color)	4278240904 (0xFF00C688)
YUV	131.7300, 2.1051, -115.5272
Hunter-Lab	64.9351, -45.9029, 17.9470

Details

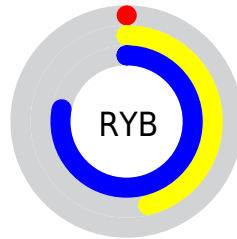
The Yxy color **42.1657, 0.2542, 0.4350** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.3655, 0.5720, 0.2926**, and the grayscale version is **23.0311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9470, 0.2657, 0.4116**, and **20.3168, 0.2618, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **42.1618, 0.2542, 0.4352**, and if you desaturate by 10%, it is **42.4973, 0.2528, 0.4232**.

Distribution



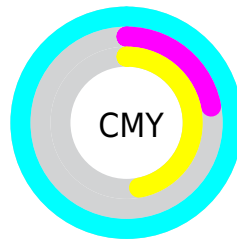
- Red (0%)
- Green (78%)
- Blue (53%)



- Red (0%)
- Yellow (46%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1657, 0.2542, 0.4350 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 42.1657, 0.2542, 0.4350 by changing the saturation by 10% instead.


 42.1657, 0.2542,
0.4350


 42.1657, 0.2542,
0.4350


355.1694, 0.2855,
0.3777

 29.2311, 0.2457,
0.4508


 78.4503, 0.2660,
0.4131


 19.2557, 0.2345,
0.4719

 102.5691, 0.2703,
0.4052

 11.8552, 0.2189,
0.5015

 131.1848, 0.2739,
0.3987

 6.6451, 0.1960,
0.5458

 164.6816, 0.2769,
0.3932

 3.2412, 0.1597,
0.6176

 203.4441, 0.2795,
0.3885

 1.2589, 0.0000,
1.0000

247.8567, 0.2818,

 0.1090, 0.0000,

0.3844

1.0000

298.3036, 0.2837,
0.3808

■ 0.0000, 0.0000,
0.0000

■ 42.1657, 0.2542,
0.4350

■ 42.1657, 0.2542,
0.4350

■ 42.1618, 0.2542,
0.4352

■ 42.4973, 0.2528,
0.4232

■ 42.9894, 0.2530,
0.4113

■ 43.6951, 0.2552,
0.3993

■ 44.6418, 0.2594,
0.3875

■ 45.8528, 0.2654,
0.3760

■ 47.3486, 0.2729,
0.3651

■ 49.1475, 0.2817,
0.3549

■ 51.2664, 0.2915,
0.3454

■ 53.7208, 0.3020,
0.3367

Harmonies

Analogous

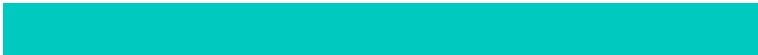
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.1657, 0.3329, 0.4860



42.1657, 0.2542, 0.4350



42.1657, 0.1959, 0.3426

Triad

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



42.1657, 0.2542, 0.4350



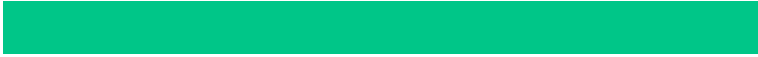
42.1657, 0.2091, 0.2017



42.1657, 0.4806, 0.3597

Complementary

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



42.1657, 0.2542, 0.4350



12.3655, 0.5720, 0.2926

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.



42.1657, 0.4403, 0.3000



42.1657, 0.2542, 0.4350



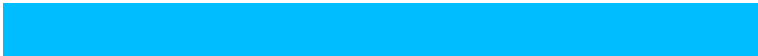
42.1657, 0.2733, 0.2140

Square

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



42.1657, 0.2542, 0.4350



42.1657, 0.1745, 0.2158



42.1657, 0.3593, 0.2488



42.1657, 0.4665, 0.4211

Rectangle

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



42.1657, 0.2542, 0.4350



42.1657, 0.1747, 0.2853



42.1657, 0.3593, 0.2488



42.1657, 0.4732, 0.3393

Sweetspot

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



42.1674, 0.2542, 0.4350



86.8135, 0.2811, 0.3555



41.4437, 0.3154, 0.5877



18.2786, 0.2773, 0.3598



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.



42.1674, 0.2542, 0.4350



74.6146, 0.2547, 0.4369



29.8378, 0.2081, 0.2691



12.0087, 0.3025, 0.3363



27.4351, 0.2538, 0.4336



1.3117, 0.2470, 0.4091

Inverse Universe

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



12.3655, 0.5720, 0.2926



21.8394, 0.5762, 0.2948



13.3046, 0.6208, 0.3450



10.6909, 0.3241, 0.3218



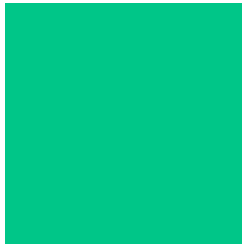
8.0485, 0.5690, 0.2908



0.3943, 0.5087, 0.2576

Previews

White Background



This preview shows how the Yxy color 42.1657, 0.2542, 0.4350 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 42.1657, 0.2542, 0.4350 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 42.1657, 0.2542, 0.4350

Background



This preview shows how black text looks on a background with the Yxy color 42.1657, 0.2542, 0.4350.

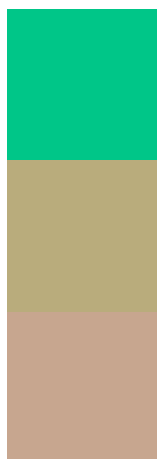


This preview shows how white text looks on a background with the Yxy color 42.1657, 0.2542, 0.4350.

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

42.1657, 0.2542, 0.4350

Protanopia

41.2746, 0.3668, 0.3943

Deuteranopia

41.3977, 0.3655, 0.3590



Tritanopia

41.9963, 0.2289, 0.3049

Trichromacy



Original Color

42.1657, 0.2542, 0.4350



Protanomaly

38.4578, 0.3008, 0.4148



Deuteranomaly

38.2463, 0.2992, 0.3891



Tritanomaly

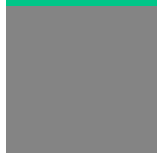
41.5082, 0.2354, 0.3479

Monochromacy



Original Color

42.1657, 0.2542, 0.4350



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.3552, 0.2689, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1657, 0.2542, 0.4350 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, 198, 136)` looks like.

```
.text, #text, p{  
  color:rgb(0, 198, 136)  
}
```

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, 198, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 136) }
```

Border

The CSS property to change the border of an element to Yxy 42.1657, 0.2542, 0.4350 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, 198, 136) }
```

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

```
.border{ border-color:rgb(0, 198, 136) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1657, 0.2542, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 136) }
```

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

```
.background{ background-color: rgb(0, 198,  
136) }
```

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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