

Converting Colors

$Yxy(40.8643, 0.2217, 0.3908)$

Have a look what the booklet for
Yxy(40.8643, 0.2217, 0.3908)
contains.

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Color

Yxy(42.5057, 0.2412, 0.3884)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C5A1 |
| RGB | 0, 197, 161 |
| RGB Percent | 0%, 77%, 63% |
| CMY | 1.0000, 0.2274, 0.3686 |
| CMYK | 1.00, 0.00, 0.18, 0.23 |
| HSL | 169°, 100%, 39% |
| HSV | 169°, 100%, 77% |
| XYZ | 26.3964, 42.5057, 40.5358 |
| YIQ | 133.9930, -105.8560, -52.9600 |

Conversions

Conversions Part 2

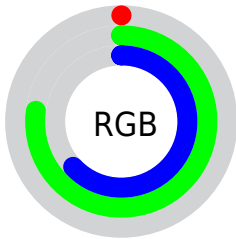
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 108, 197 |
| Decimal | 50593 |
| CIELab | 71.22, -49.72, 6.50 |
| CIELCh | 71, 50.147, 172.553 |
| Yxy | 42.5057, 0.2412, 0.3884 |
| Android (android.graphics.Color) | 4278240673 (0xFF00C5A1) |
| YUV | 133.9930, 13.3145, -117.5119 |
| Hunter-Lab | 65.1964, -41.8234, 8.7740 |

Details

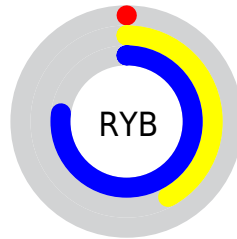
The Yxy color **42.5057, 0.2412, 0.3884** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.9987, 0.6128, 0.3149**, and the grayscale version is **23.8188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2446, 0.2546, 0.3770**, and **20.4718, 0.2448, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **42.5096, 0.2412, 0.3884**, and if you desaturate by 10%, it is **42.7841, 0.2411, 0.3819**.

Distribution



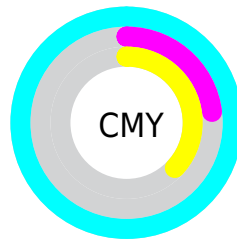
- Red (0%)
- Green (77%)
- Blue (63%)



- Red (0%)
- Yellow (42%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5057, 0.2412, 0.3884 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 42.5057, 0.2412, 0.3884 by changing the saturation by 10% instead.


 42.5057, 0.2412,
0.3884


 42.5057, 0.2412,
0.3884


356.5750, 0.2776,
0.3575


 29.4975, 0.2319,
0.3965


 78.9644, 0.2546,
0.3769

 19.4575, 0.2200,
0.4072


 103.1837, 0.2596,
0.3726


 12.0013, 0.2040,
0.4217


 131.9088, 0.2638,
0.3691

 6.7446, 0.1816,
0.4428

 165.5240, 0.2673,
0.3660

 3.3029, 0.1485,
0.4756

 204.4139, 0.2704,
0.3635

 1.2918, 0.0000,
0.5900

248.9627, 0.2731,

 0.1349, 0.0000,

0.3612

1.0000

299.5550, 0.2755,
0.3592

■ 0.0000, 0.0000,
0.0000

■ 42.5057, 0.2412,
0.3884

■ 42.5057, 0.2412,
0.3884

■ 42.5096, 0.2412,
0.3884

■ 42.7841, 0.2411,
0.3819

■ 43.2102, 0.2424,
0.3753

■ 43.8402, 0.2456,
0.3687

■ 44.7011, 0.2508,
0.3622

■ 45.8158, 0.2578,
0.3558

■ 47.2045, 0.2665,
0.3497

■ 48.8853, 0.2766,
0.3439

■ 50.8746, 0.2879,
0.3385

■ 53.1877, 0.3000,
0.3335

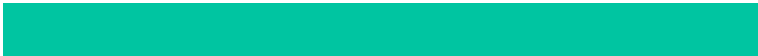
Harmonies

Analogous

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



42.5057, 0.3045, 0.4482



42.5057, 0.2412, 0.3884



42.5057, 0.2000, 0.3122

Triad

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



42.5057, 0.2412, 0.3884



42.5057, 0.2431, 0.2202



42.5057, 0.4560, 0.3797

Complementary

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



42.5057, 0.2412, 0.3884



11.9987, 0.6128, 0.3149

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.



42.5057, 0.4388, 0.3258



42.5057, 0.2412, 0.3884



42.5057, 0.3075, 0.2392

Square

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



42.5057, 0.2412, 0.3884



42.5057, 0.2019, 0.2238



42.5057, 0.3816, 0.2766



42.5057, 0.4300, 0.4297

Rectangle

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



42.5057, 0.2412, 0.3884



42.5057, 0.1883, 0.2702



42.5057, 0.3816, 0.2766



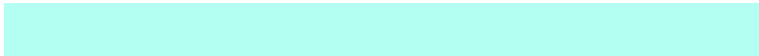
42.5057, 0.4554, 0.3617

Sweetspot

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



42.5096, 0.2412, 0.3884



87.3964, 0.2761, 0.3442



40.3132, 0.3057, 0.5954



18.4188, 0.2717, 0.3466



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.



42.5096, 0.2412, 0.3884



76.0941, 0.2415, 0.3894



21.2542, 0.1949, 0.2217



12.0330, 0.3008, 0.3332



27.9695, 0.2410, 0.3875



1.3333, 0.2372, 0.3739

Inverse Universe

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



11.9987, 0.6128, 0.3149



21.4620, 0.6157, 0.3166



15.3587, 0.5928, 0.3675



10.6681, 0.3261, 0.3248



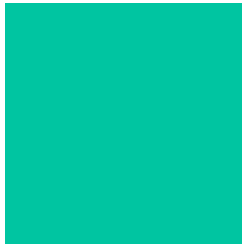
7.9005, 0.6100, 0.3134



0.3840, 0.5541, 0.2826

Previews

White Background



This preview shows how the Yxy color 42.5057, 0.2412, 0.3884 looks on a white background.

Color Contrast Check

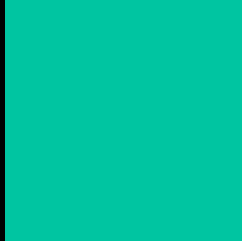
Large Text (above 18pt) WCAG AA × Fail

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 42.5057, 0.2412, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

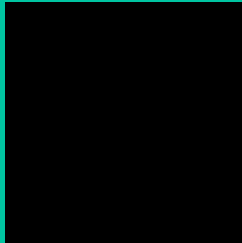
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5057, 0.2412, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 42.5057, 0.2412, 0.3884.

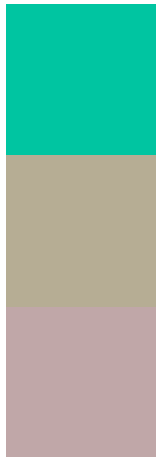


This preview shows how white text looks on a background with the Yxy color 42.5057, 0.2412, 0.3884.

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

42.5057, 0.2412, 0.3884

Protanopia

41.9703, 0.3424, 0.3631

Deuteranopia

41.6711, 0.3353, 0.3278



Tritanopia

42.6174, 0.2266, 0.3064

Trichromacy



Original Color

42.5057, 0.2412, 0.3884



Protanomaly

39.4688, 0.2818, 0.3747



Deuteranomaly

38.6950, 0.2772, 0.3490



Tritanomaly

42.2509, 0.2299, 0.3334

Monochromacy



Original Color

42.5057, 0.2412, 0.3884



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.0589, 0.2618, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5057, 0.2412, 0.3884 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, 197, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 161)  
}
```

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, 197, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 161) }
```

Border

The CSS property to change the border of an element to Yxy 42.5057, 0.2412, 0.3884 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, 197, 161) }
```

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

```
.border{ border-color:rgb(0, 197, 161) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5057, 0.2412, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 161) }
```

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

```
.background{ background-color: rgb(0, 197,  
161) }
```

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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