

Converting Colors

$Y_{xy}(43.3667, 0.2551, 0.4348)$

Have a look what the booklet for
Yxy(43.3667, 0.2551, 0.4348)
contains.

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Color

Yxy(43.2217, 0.2548, 0.4337)

Conversions

Conversions Part 1

Format	Color
Hex	0CC88A
RGB	12, 200, 138
RGB Percent	5%, 78%, 54%
CMY	0.9527, 0.2157, 0.4589
CMYK	0.94, 0.00, 0.31, 0.22
HSL	160°, 89%, 42%
HSV	160°, 94%, 78%
XYZ	25.3929, 43.2217, 31.0435
YIQ	136.7200, -92.1460, -59.1380

Conversions

Conversions Part 2

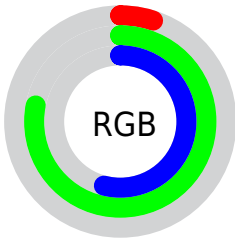
Format	Color
RYB	12, 125, 200
Decimal	837770
CIELab	71.71, -56.01, 19.58
CIElCh	72, 59.335, 160.730
Yxy	43.2217, 0.2548, 0.4337
Android (android.graphics.Color)	4279027850 (0xFF0CC88A)
YUV	136.7200, 0.6310, -109.3794
Hunter-Lab	65.7432, -46.1062, 18.0239

Details

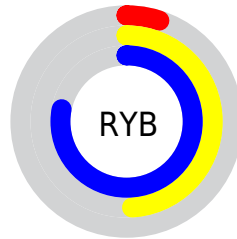
The Yxy color **43.2217, 0.2548, 0.4337** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.0395, 0.5487, 0.2840**, and the grayscale version is **24.9351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2093, 0.2658, 0.4087**, and **20.9554, 0.2613, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **43.0318, 0.2559, 0.4412**, and if you desaturate by 10%, it is **43.6498, 0.2541, 0.4212**.

Distribution



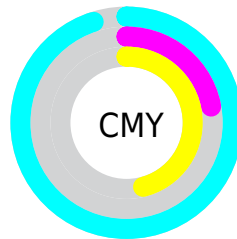
- Red (5%)
- Green (78%)
- Blue (54%)



- Red (5%)
- Yellow (49%)
- Blue (78%)



- Cyan (94%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (95%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.2217, 0.2548, 0.4337 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 43.2217, 0.2548, 0.4337 by changing the saturation by 10% instead.


 43.2217, 0.2548,
0.4337


 43.2217, 0.2548,
0.4337


359.5227, 0.2856,
0.3774


 30.0591, 0.2465,
0.4491


 80.0453, 0.2664,
0.4123

 19.8835, 0.2355,
0.4697


 104.4751, 0.2707,
0.4045


 12.3104, 0.2204,
0.4984


 133.4294, 0.2742,
0.3981

 6.9554, 0.1981,
0.5412

 167.2927, 0.2772,
0.3926

 3.4342, 0.1632,
0.6101

 206.4492, 0.2797,
0.3880

 1.3624, 0.0000,
0.9702

251.2835, 0.2820,

 0.1888, 0.0000,

0.3840

1.0000

302.1799, 0.2839,
0.3805

■ 0.0000, 0.0000,
0.0000

■ 43.2217, 0.2548,
0.4337

■ 43.2217, 0.2548,
0.4337

■ 43.0318, 0.2559,
0.4412

■ 43.6498, 0.2541,
0.4212

■ 44.2822, 0.2553,
0.4085

■ 45.1513, 0.2585,
0.3959

■ 46.2826, 0.2636,
0.3836

■ 47.6983, 0.2704,
0.3718

■ 49.4179, 0.2786,
0.3607

■ 51.4594, 0.2879,
0.3503

■ 53.8393, 0.2979,
0.3408

■ 56.5729, 0.3084,
0.3322

Harmonies

Analogous

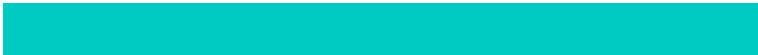
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.2217, 0.3328, 0.4842



43.2217, 0.2548, 0.4337



43.2217, 0.1969, 0.3424

Triad

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



43.2217, 0.2548, 0.4337



43.2217, 0.2101, 0.2027



43.2217, 0.4790, 0.3597

Complementary

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



43.2217, 0.2548, 0.4337



13.0395, 0.5487, 0.2840

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.



43.2217, 0.4391, 0.3004



43.2217, 0.2548, 0.4337



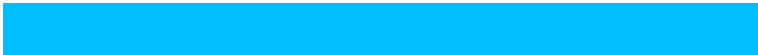
43.2217, 0.2738, 0.2150

Square

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



43.2217, 0.2548, 0.4337



43.2217, 0.1757, 0.2168



43.2217, 0.3590, 0.2495



43.2217, 0.4651, 0.4206

Rectangle

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



43.2217, 0.2548, 0.4337



43.2217, 0.1758, 0.2858



43.2217, 0.3590, 0.2495



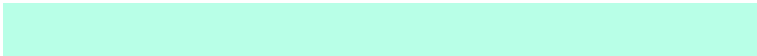
43.2217, 0.4717, 0.3395

Sweetspot

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



43.2234, 0.2548, 0.4337



87.4555, 0.2836, 0.3548



42.8209, 0.3198, 0.5803



18.3966, 0.2797, 0.3594



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.



43.2234, 0.2548, 0.4337



74.4549, 0.2564, 0.4429



32.5054, 0.2115, 0.2782



12.0057, 0.3027, 0.3367



27.3772, 0.2554, 0.4394



1.3093, 0.2482, 0.4135

Inverse Universe

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



13.0395, 0.5487, 0.2840



21.9023, 0.5703, 0.2915



14.0619, 0.6102, 0.3465



10.6937, 0.3239, 0.3214



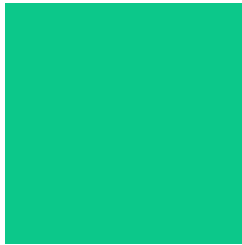
8.0726, 0.5630, 0.2875



0.3957, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 43.2217, 0.2548, 0.4337 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 43.2217, 0.2548, 0.4337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

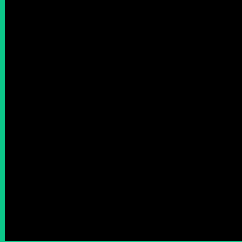
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.2217, 0.2548, 0.4337

Background



This preview shows how black text looks on a background with the Yxy color 43.2217, 0.2548, 0.4337.

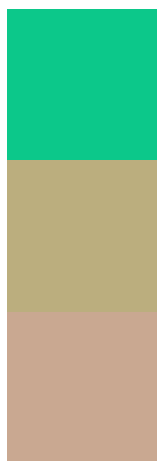


This preview shows how white text looks on a background with the Yxy color 43.2217, 0.2548, 0.4337.

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

43.2217, 0.2548, 0.4337

Protanopia

42.3433, 0.3662, 0.3936

Deuteranopia

42.4671, 0.3649, 0.3587



Tritanopia

43.0318, 0.2294, 0.3052

Trichromacy



Original Color

43.2217, 0.2548, 0.4337



Protanomaly

39.6896, 0.3032, 0.4132



Deuteranomaly

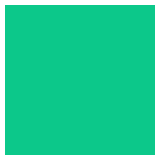
39.5010, 0.3017, 0.3880



Tritanomaly

42.5894, 0.2364, 0.3477

Monochromacy



Original Color

43.2217, 0.2548, 0.4337



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.2231, 0.2725, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2217, 0.2548, 0.4337 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(12, 200, 138)` looks like.

```
.text, #text, p{  
    color:rgb(12, 200, 138)  
}
```

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(12, 200, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 200, 138) }
```

Border

The CSS property to change the border of an element to Yxy 43.2217, 0.2548, 0.4337 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(12, 200, 138) }
```

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

```
.border{ border-color:rgb(12, 200, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 200, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 200, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 200, 138);  
box-shadow:4px 4px 4px 4px rgb(12, 200,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2217, 0.2548, 0.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 200, 138) }
```

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

```
.background{ background-color: rgb(12, 200,  
138) }
```

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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