

Converting Colors

$Yxy(43.8025, 0.1251, 0.4468)$

Have a look what the booklet for
Yxy(43.8025, 0.1251, 0.4468)
contains.

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Color

Yxy(54.3215, 0.2497, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	00DDA2
RGB	0, 221, 162
RGB Percent	0%, 87%, 64%
CMY	1.0000, 0.1333, 0.3648
CMYK	1.00, 0.00, 0.27, 0.13
HSL	164°, 100%, 43%
HSV	164°, 100%, 87%
XYZ	32.3725, 54.3215, 42.9516
YIQ	148.1950, -112.7770, -65.2010

Conversions

Conversions Part 2

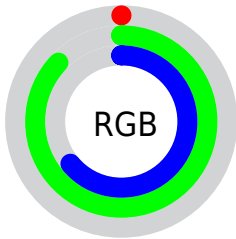
Format	Color
RYB	0, 128, 221
Decimal	56738
CIELab	78.65, -58.79, 16.51
CIELCh	79, 61.063, 164.315
Yxy	54.3215, 0.2497, 0.4190
Android (android.graphics.Color)	4278246818 (0xFF00DDA2)
YUV	148.1950, 6.8059, -129.9670
Hunter-Lab	73.7031, -50.5782, 17.0401

Details

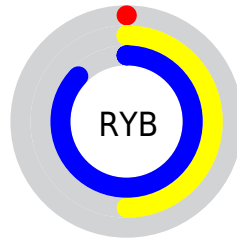
The Yxy color **54.3215, 0.2497, 0.4190** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.6898, 0.5903, 0.3026**, and the grayscale version is **29.7078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6556, 0.2562, 0.3755**, and **28.0361, 0.2558, 0.4407** is the 20% darker color. If you saturate the color by 10%, you get **54.3263, 0.2497, 0.4190**, and if you desaturate by 10%, it is **54.7128, 0.2486, 0.4090**.

Distribution



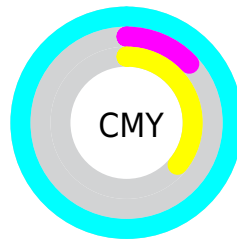
- Red (0%)
- Green (87%)
- Blue (64%)



- Red (0%)
- Yellow (50%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3215, 0.2497, 0.4190 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 54.3215, 0.2497, 0.4190 by changing the saturation by 10% instead.


 54.3215, 0.2497,
0.4190


 54.3215, 0.2497,
0.4190


403.3348, 0.2814,
0.3727


 38.8588, 0.2418,
0.4309


 96.5461, 0.2612,
0.4019


 26.6499, 0.2316,
0.4464


 124.0768, 0.2656,
0.3956


 17.3104, 0.2182,
0.4673


 156.3989, 0.2692,
0.3902

 10.4561, 0.1996,
0.4969

 193.8969, 0.2724,
0.3857

 5.7024, 0.1725,
0.5416

 236.9550, 0.2751,
0.3818

 2.6650, 0.1228,
0.6209

285.9578, 0.2774,

 0.9594, 0.0000,

0.3784

1.0000

341.2896, 0.2795,
0.3754

■ 0.0000, 0.0000,
0.0000

■ 54.3215, 0.2497,
0.4190

■ 54.3215, 0.2497,
0.4190

■ 54.3263, 0.2497,
0.4190

■ 54.7128, 0.2486,
0.4090

■ 55.3059, 0.2491,
0.3990

■ 56.1698, 0.2515,
0.3889

■ 57.3406, 0.2560,
0.3789

■ 58.8492, 0.2623,
0.3692

■ 60.7223, 0.2703,
0.3599

■ 62.9841, 0.2796,
0.3512

■ 65.6565, 0.2900,
0.3431

■ 68.7598, 0.3011,
0.3357

Harmonies

Analogous

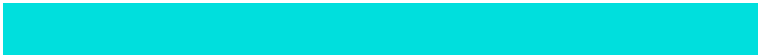
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.3215, 0.3234, 0.4739



54.3215, 0.2497, 0.4190



54.3215, 0.1971, 0.3318

Triad

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



54.3215, 0.2497, 0.4190



54.3215, 0.2202, 0.2077



54.3215, 0.4727, 0.3665

Complementary

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



54.3215, 0.2497, 0.4190



15.6898, 0.5903, 0.3026

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.



54.3215, 0.4403, 0.3086



54.3215, 0.2497, 0.4190



54.3215, 0.2847, 0.2223

Square

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



54.3215, 0.2497, 0.4190



54.3215, 0.1833, 0.2183



54.3215, 0.3671, 0.2579



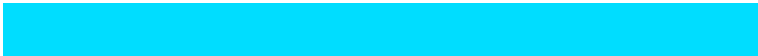
54.3215, 0.4545, 0.4245

Rectangle

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



54.3215, 0.2497, 0.4190



54.3215, 0.1790, 0.2799



54.3215, 0.3671, 0.2579



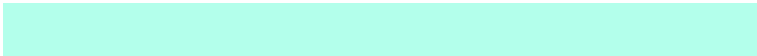
54.3215, 0.4676, 0.3468

Sweetspot

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



54.3263, 0.2497, 0.4190



87.0174, 0.2793, 0.3514



52.7626, 0.3120, 0.5904



18.3275, 0.2753, 0.3551



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.



54.3263, 0.2497, 0.4190



75.1033, 0.2499, 0.4198



35.1560, 0.2047, 0.2568



14.7671, 0.3017, 0.3353



31.5754, 0.2493, 0.4174



2.0596, 0.2448, 0.4012

Inverse Universe

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



15.6898, 0.5903, 0.3026



21.6787, 0.5922, 0.3036



17.4783, 0.6163, 0.3489



13.1084, 0.3250, 0.3228



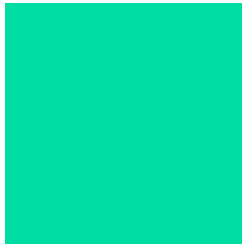
9.1296, 0.5864, 0.3004



0.6057, 0.5395, 0.2745

Previews

White Background



This preview shows how the Yxy color 54.3215, 0.2497, 0.4190 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 54.3215, 0.2497, 0.4190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

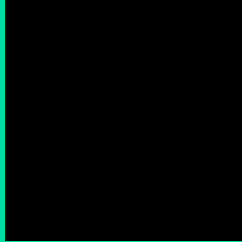
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.3215, 0.2497, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 54.3215, 0.2497, 0.4190.



This preview shows how white text looks on a background with the Yxy color 54.3215, 0.2497, 0.4190.

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

54.3215, 0.2497, 0.4190

Protanopia

53.4317, 0.3581, 0.3830

Deuteranopia

53.2357, 0.3551, 0.3479



Tritanopia

54.1218, 0.2281, 0.3059

Trichromacy



Original Color

54.3215, 0.2497, 0.4190



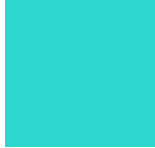
Protanomaly

49.8703, 0.2931, 0.4000



Deuteranomaly

49.2123, 0.2907, 0.3743



Tritanomaly

53.5895, 0.2333, 0.3430

Monochromacy



Original Color

54.3215, 0.2497, 0.4190



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

35.3395, 0.2659, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3215, 0.2497, 0.4190 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, 221, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 162)  
}
```

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, 221, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 162) }
```

Border

The CSS property to change the border of an element to Yxy 54.3215, 0.2497, 0.4190 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, 221, 162) }
```

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

```
.border{ border-color:rgb(0, 221, 162) }
```

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

Here you see how a box with a 4 pixel rgb(0, 221, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3215, 0.2497, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 162) }
```

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

```
.background{ background-color: rgb(0, 221,  
162) }
```

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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