

Converting Colors

$Y_{xy}(45.4211, 0.2488, 0.4155)$

Have a look what the booklet for
Yxy(45.4211, 0.2488, 0.4155)
contains.

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Color

Yxy(45.4265, 0.2489, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	00CC97
RGB	0, 204, 151
RGB Percent	0%, 80%, 59%
CMY	0.9981, 0.2000, 0.4078
CMYK	1.00, 0.00, 0.26, 0.20
HSL	164°, 100%, 40%
HSV	164°, 100%, 80%
XYZ	27.1860, 45.4265, 36.6121
YIQ	136.9620, -104.5710, -59.7310

Conversions

Conversions Part 2

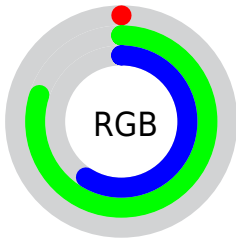
Format	Color
RYB	0, 117, 204
Decimal	52375
CIELab	73.17, -54.92, 14.67
CIELCh	73, 56.850, 165.047
Yxy	45.4265, 0.2489, 0.4159
Android (android.graphics.Color)	4278242455 (0xFF00CC97)
YUV	136.9620, 6.9207, -120.1157
Hunter-Lab	67.3992, -45.9492, 14.9724

Details

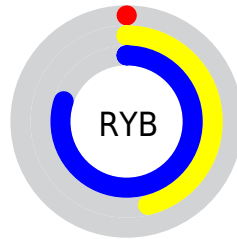
The Yxy color **45.4265, 0.2489, 0.4159** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.1109, 0.5906, 0.3029**, and the grayscale version is **25.0635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7526, 0.2597, 0.3914**, and **22.0999, 0.2546, 0.4365** is the 20% darker color. If you saturate the color by 10%, you get **45.4211, 0.2489, 0.4161**, and if you desaturate by 10%, it is **45.7599, 0.2480, 0.4062**.

Distribution



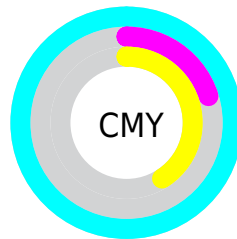
- Red (0%)
- Green (80%)
- Blue (59%)



- Red (0%)
- Yellow (46%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4265, 0.2489, 0.4159 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 45.4265, 0.2489, 0.4159 by changing the saturation by 10% instead.

 45.4265, 0.2489,
0.4159


 45.4265, 0.2489,
0.4159


368.4982, 0.2818,
0.3700

 31.7935, 0.2404,
0.4282


 83.3601, 0.2611,
0.3986


 21.2038, 0.2293,
0.4444


 108.4294, 0.2656,
0.3923

 13.2731, 0.2143,
0.4667


 138.0796, 0.2694,
0.3871

 7.6169, 0.1930,
0.4994

 172.6952, 0.2726,
0.3826

 3.8508, 0.1609,
0.5512

 212.6604, 0.2754,
0.3788

 1.5904, 0.0206,
0.7236

258.3597, 0.2778,

 0.3511, 0.0000,

0.3755


1.0000

310.1775, 0.2800,
0.3726

 0.0000, 0.0000,
0.0000


 45.4265, 0.2489,
0.4159


 45.4265, 0.2489,
0.4159


 45.4211, 0.2489,
0.4161

 45.7599, 0.2480,
0.4062

 46.2634, 0.2486,
0.3965

 46.9926, 0.2513,
0.3867

 47.9768, 0.2559,
0.3771

 49.2410, 0.2623,
0.3677

■ 50.8073, 0.2703,
0.3588

■ 52.6954, 0.2797,
0.3504

■ 54.9232, 0.2901,
0.3425

■ 57.5074, 0.3013,
0.3354

Harmonies

Analogous

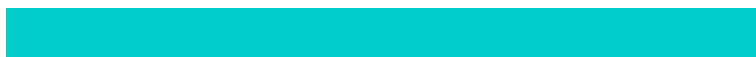
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.4265, 0.3216, 0.4714



45.4265, 0.2489, 0.4159



45.4265, 0.1974, 0.3298

Triad

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



45.4265, 0.2489, 0.4159



45.4265, 0.2224, 0.2090



45.4265, 0.4710, 0.3678

Complementary

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



45.4265, 0.2489, 0.4159



13.1109, 0.5906, 0.3029

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.



45.4265, 0.4402, 0.3103



45.4265, 0.2489, 0.4159



45.4265, 0.2869, 0.2239

Square

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



45.4265, 0.2489, 0.4159



45.4265, 0.1851, 0.2189



45.4265, 0.3685, 0.2597



45.4265, 0.4520, 0.4251

Rectangle

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



45.4265, 0.2489, 0.4159



45.4265, 0.1800, 0.2789



45.4265, 0.3685, 0.2597



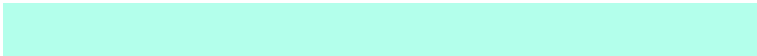
45.4265, 0.4664, 0.3483

Sweetspot

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



45.4283, 0.2489, 0.4159



87.0467, 0.2791, 0.3509



43.9972, 0.3111, 0.5910



18.3346, 0.2750, 0.3544



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.



45.4283, 0.2489, 0.4159



75.1760, 0.2493, 0.4174



28.3151, 0.2032, 0.2515



12.6752, 0.3018, 0.3351



28.6012, 0.2485, 0.4148



1.4875, 0.2433, 0.3959

Inverse Universe

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



13.1109, 0.5906, 0.3029



21.6583, 0.5943, 0.3048



14.9514, 0.6117, 0.3522



11.2608, 0.3250, 0.3230



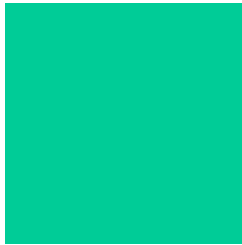
8.2557, 0.5877, 0.3011



0.4387, 0.5305, 0.2696

Previews

White Background



This preview shows how the Yxy color 45.4265, 0.2489, 0.4159 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 45.4265, 0.2489, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

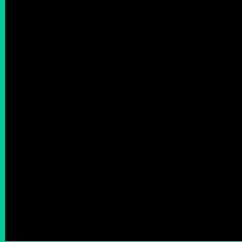
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4265, 0.2489, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 45.4265, 0.2489, 0.4159.



This preview shows how white text looks on a background with the Yxy color 45.4265, 0.2489, 0.4159.

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

45.4201, 0.2489, 0.4159

Protanopia

44.6520, 0.3565, 0.3806

Deuteranopia

44.6702, 0.3537, 0.3468



Tritanopia

45.3916, 0.2280, 0.3056

Trichromacy



Original Color

45.4201, 0.2489, 0.4159



Protanomaly

41.5888, 0.2927, 0.3976



Deuteranomaly

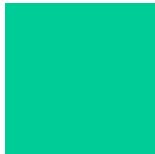
41.3147, 0.2900, 0.3732



Tritanomaly

45.0568, 0.2332, 0.3426

Monochromacy



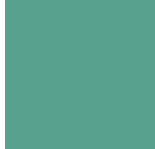
Original Color

45.4201, 0.2489, 0.4159



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.4690, 0.2656, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4265, 0.2489, 0.4159 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, 204, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 151)  
}
```

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, 204, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 151) }
```

Border

The CSS property to change the border of an element to Yxy 45.4265, 0.2489, 0.4159 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, 204, 151) }
```

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

```
.border{ border-color:rgb(0, 204, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4265, 0.2489, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 151) }
```

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

```
.background{ background-color: rgb(0, 204,  
151) }
```

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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