

Converting Colors

$Y_{xy}(45.0720, 0.2544, 0.4359)$

Have a look what the booklet for
Yxy(45.0720, 0.2544, 0.4359)
contains.

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Color

Yxy(45.0792, 0.2543, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	00CC8C
RGB	0, 204, 140
RGB Percent	0%, 80%, 55%
CMY	0.9990, 0.2000, 0.4509
CMYK	1.00, 0.00, 0.31, 0.20
HSL	161°, 100%, 40%
HSV	161°, 100%, 80%
XYZ	26.3290, 45.0792, 32.1270
YIQ	135.7080, -101.0400, -63.1520

Conversions

Conversions Part 2

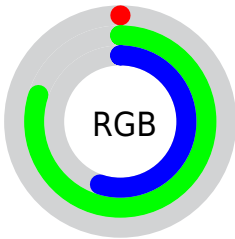
Format	Color
RYB	0, 121, 204
Decimal	52364
CIELab	72.94, -57.44, 20.20
CIELCh	73, 60.891, 160.621
Yxy	45.0792, 0.2543, 0.4354
Android (android.graphics.Color)	4278242444 (0xFF00CC8C)
YUV	135.7080, 2.1160, -119.0159
Hunter-Lab	67.1410, -47.4991, 18.6285

Details

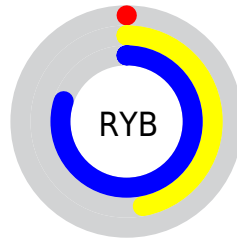
The Yxy color **45.0792, 0.2543, 0.4354** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.2156, 0.5725, 0.2929**, and the grayscale version is **24.5551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2398, 0.2646, 0.4061**, and **21.9180, 0.2612, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **45.0771, 0.2543, 0.4355**, and if you desaturate by 10%, it is **45.4296, 0.2528, 0.4236**.

Distribution



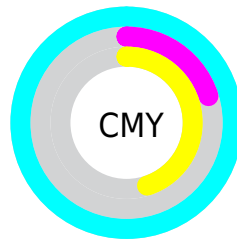
- Red (0%)
- Green (80%)
- Blue (55%)



- Red (0%)
- Yellow (47%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0792, 0.2543, 0.4354 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 45.0792, 0.2543, 0.4354 by changing the saturation by 10% instead.


 45.0792, 0.2543,
0.4354


 45.0792, 0.2543,
0.4354


367.0942, 0.2852,
0.3785

 31.5198, 0.2461,
0.4508


 82.8392, 0.2659,
0.4138

 20.9950, 0.2352,
0.4713


 107.8087, 0.2702,
0.4060

 13.1203, 0.2202,
0.4999


 137.3503, 0.2737,
0.3995

 7.5115, 0.1985,
0.5419

 171.8484, 0.2767,
0.3940

 3.7840, 0.1647,
0.6088

 211.6875, 0.2793,
0.3893

 1.5535, 0.0000,
0.9132

257.2519, 0.2815,

 0.3259, 0.0000,

0.3852

1.0000

308.9260, 0.2835,
0.3816

■ 0.0000, 0.0000,
0.0000

■ 45.0792, 0.2543,
0.4354

■ 45.0792, 0.2543,
0.4354

■ 45.0771, 0.2543,
0.4355

■ 45.4296, 0.2528,
0.4236

■ 45.9521, 0.2530,
0.4116

■ 46.7032, 0.2552,
0.3996

■ 47.7125, 0.2593,
0.3877

■ 49.0051, 0.2653,
0.3763

■ 50.6030, 0.2728,
0.3653

■ 52.5262, 0.2816,
0.3550

■ 54.7926, 0.2914,
0.3455

■ 57.4190, 0.3019,
0.3368

Harmonies

Analogous

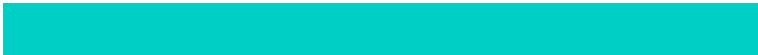
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0792, 0.3331, 0.4863



45.0792, 0.2543, 0.4354



45.0792, 0.1958, 0.3428

Triad

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



45.0792, 0.2543, 0.4354



45.0792, 0.2089, 0.2015



45.0792, 0.4808, 0.3596

Complementary

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



45.0792, 0.2543, 0.4354



13.2156, 0.5725, 0.2929

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.



45.0792, 0.4403, 0.2998



45.0792, 0.2543, 0.4354



45.0792, 0.2730, 0.2138

Square

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



45.0792, 0.2543, 0.4354



45.0792, 0.1743, 0.2157



45.0792, 0.3591, 0.2486



45.0792, 0.4668, 0.4210

Rectangle

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



45.0792, 0.2543, 0.4354



45.0792, 0.1746, 0.2854



45.0792, 0.3591, 0.2486



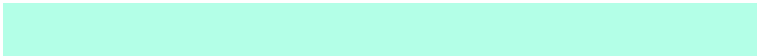
45.0792, 0.4734, 0.3391

Sweetspot

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



45.0810, 0.2543, 0.4354



86.8123, 0.2812, 0.3555



44.3021, 0.3152, 0.5878



18.2783, 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.



45.0810, 0.2543, 0.4354



74.6118, 0.2547, 0.4370



31.8688, 0.2081, 0.2689



12.6647, 0.3025, 0.3364



28.3896, 0.2539, 0.4339



1.4779, 0.2474, 0.4108

Inverse Universe

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



13.2156, 0.5725, 0.2929



21.8405, 0.5761, 0.2947



14.1987, 0.6212, 0.3448



11.2708, 0.3242, 0.3217



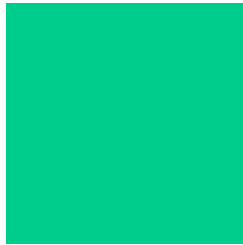
8.3284, 0.5692, 0.2909



0.4434, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 45.0792, 0.2543, 0.4354 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 45.0792, 0.2543, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

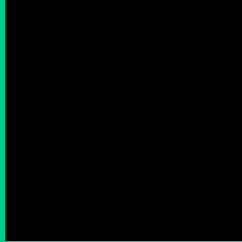
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0792, 0.2543, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 45.0792, 0.2543, 0.4354.

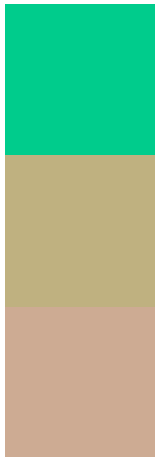


This preview shows how white text looks on a background with the Yxy color 45.0792, 0.2543, 0.4354.

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

45.0792, 0.2543, 0.4354

Protanopia

44.0792, 0.3672, 0.3937

Deuteranopia

44.2115, 0.3660, 0.3595



Tritanopia

44.9986, 0.2290, 0.3056

Trichromacy



Original Color

45.0792, 0.2543, 0.4354



Protanomaly

41.3442, 0.3010, 0.4154



Deuteranomaly

40.7059, 0.2994, 0.3891



Tritanomaly

44.4264, 0.2356, 0.3490

Monochromacy



Original Color

45.0792, 0.2543, 0.4354



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.3221, 0.2692, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0792, 0.2543, 0.4354 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, 140)` looks like.

```
.text, #text, p{  
  color:rgb(0, 204, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 140) }
```

Border

The CSS property to change the border of an element to Yxy 45.0792, 0.2543, 0.4354 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, 140) }
```

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

```
.border{ border-color:rgb(0, 204, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0792, 0.2543, 0.4354 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, 140) }
```

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

```
.background{ background-color: rgb(0, 204,  
140) }
```

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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