

Converting Colors

$Y_{xy}(45.6805, 0.2451, 0.4024)$

Have a look what the booklet for
Yxy(45.6805, 0.2451, 0.4024)
contains.

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Color

Yxy(45.6889, 0.2450, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	00CC9F
RGB	0, 204, 159
RGB Percent	0%, 80%, 62%
CMY	0.9987, 0.2000, 0.3766
CMYK	1.00, 0.00, 0.22, 0.20
HSL	167°, 100%, 40%
HSV	167°, 100%, 80%
XYZ	27.8522, 45.6889, 40.1412
YIQ	137.8740, -107.1390, -57.2430

Conversions

Conversions Part 2

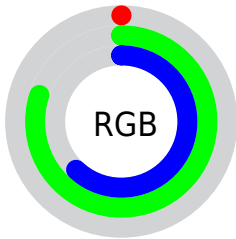
Format	Color
RYB	0, 115, 204
Decimal	52383
CIELab	73.34, -52.99, 10.63
CIELCh	73, 54.050, 168.656
Yxy	45.6889, 0.2450, 0.4019
Android (android.graphics.Color)	4278242463 (0xFF00CC9F)
YUV	137.8740, 10.4151, -120.9155
Hunter-Lab	67.5936, -44.7372, 12.1055

Details

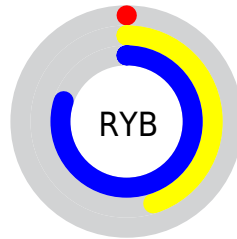
The Yxy color **45.6889, 0.2450, 0.4019** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.0371, 0.6027, 0.3095**, and the grayscale version is **25.3951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1998, 0.2558, 0.3795**, and **22.5776, 0.2498, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **45.6859, 0.2450, 0.4020**, and if you desaturate by 10%, it is **46.0045, 0.2444, 0.3938**.

Distribution



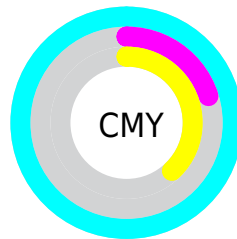
- Red (0%)
- Green (80%)
- Blue (62%)



- Red (0%)
- Yellow (45%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6889, 0.2450, 0.4019 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 45.6889, 0.2450, 0.4019 by changing the saturation by 10% instead.

 45.6889, 0.2450,
0.4019


 45.6889, 0.2450,
0.4019

369.5565, 0.2795,
0.3638


 32.0004, 0.2363,
0.4119


 83.7532, 0.2576,
0.3877


 21.3618, 0.2250,
0.4250


 108.8978, 0.2624,
0.3825

 13.3887, 0.2099,
0.4430


 138.6299, 0.2663,
0.3781

 7.6968, 0.1887,
0.4691

 173.3339, 0.2697,
0.3744

 3.9015, 0.1574,
0.5097

 213.3941, 0.2727,
0.3712

 1.6186, 0.0425,
0.6240

259.1951, 0.2752,


 0.3701, 0.0000,


0.3684


1.0000


311.1211, 0.2775,
0.3660

 0.0000, 0.0000,
0.0000


 45.6889, 0.2450,
0.4019


 45.6889, 0.2450,
0.4019

 45.6859, 0.2450,
0.4020

 46.0045, 0.2444,
0.3938

 46.4874, 0.2454,
0.3857

 47.1934, 0.2484,
0.3776

 48.1522, 0.2533,
0.3695

 49.3886, 0.2600,
0.3617

■ 50.9246, 0.2684,
0.3542

■ 52.7798, 0.2782,
0.3471

■ 54.9724, 0.2890,
0.3405

■ 57.5188, 0.3007,
0.3344

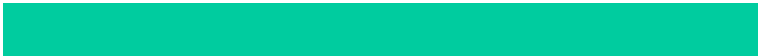
Harmonies

Analogous

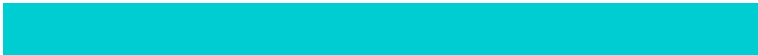
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.6889, 0.3130, 0.4599



45.6889, 0.2450, 0.4019



45.6889, 0.1987, 0.3208

Triad

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



45.6889, 0.2450, 0.4019



45.6889, 0.2327, 0.2146



45.6889, 0.4636, 0.3738

Complementary

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



45.6889, 0.2450, 0.4019



13.0371, 0.6027, 0.3095

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.



45.6889, 0.4396, 0.3181



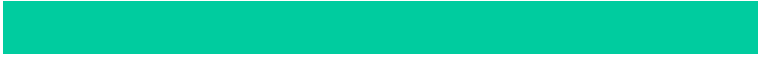
45.6889, 0.2450, 0.4019



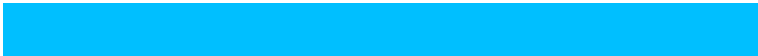
45.6889, 0.2972, 0.2316

Square

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



45.6889, 0.2450, 0.4019



45.6889, 0.1935, 0.2214



45.6889, 0.3752, 0.2681



45.6889, 0.4410, 0.4276

Rectangle

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



45.6889, 0.2450, 0.4019



45.6889, 0.1841, 0.2744



45.6889, 0.3752, 0.2681



45.6889, 0.4610, 0.3550

Sweetspot

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



45.6907, 0.2450, 0.4019



87.2225, 0.2776, 0.3475



43.8118, 0.3087, 0.5930



18.3769, 0.2733, 0.3504



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.



45.6907, 0.2450, 0.4019



75.6263, 0.2453, 0.4031



26.0761, 0.1999, 0.2396



12.6829, 0.3012, 0.3342



28.7695, 0.2447, 0.4009



1.4950, 0.2403, 0.3851

Inverse Universe

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



13.0371, 0.6027, 0.3095



21.5492, 0.6060, 0.3112



15.5374, 0.6047, 0.3579



11.2536, 0.3256, 0.3239



8.2113, 0.5999, 0.3078



0.4354, 0.5438, 0.2769

Previews

White Background



This preview shows how the Yxy color 45.6889, 0.2450, 0.4019 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 45.6889, 0.2450, 0.4019 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

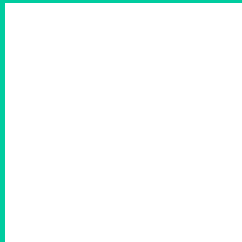
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6889, 0.2450, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 45.6889, 0.2450, 0.4019.

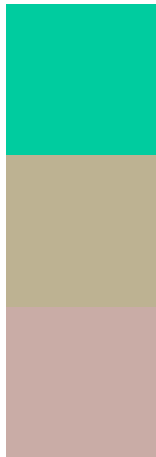


This preview shows how white text looks on a background with the Yxy color 45.6889, 0.2450, 0.4019.

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

45.6889, 0.2450, 0.4019

Protanopia

44.7349, 0.3495, 0.3714

Deuteranopia

44.6757, 0.3446, 0.3367



Tritanopia

45.7934, 0.2271, 0.3057

Trichromacy



Original Color

45.6889, 0.2450, 0.4019



Protanomaly

41.7681, 0.2865, 0.3847



Deuteranomaly

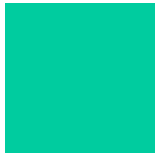
41.5145, 0.2837, 0.3606



Tritanomaly

45.6099, 0.2318, 0.3394

Monochromacy



Original Color

45.6889, 0.2450, 0.4019



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.9907, 0.2637, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6889, 0.2450, 0.4019 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 159) }
```

Border

The CSS property to change the border of an element to Yxy 45.6889, 0.2450, 0.4019 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, 159) }
```

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

```
.border{ border-color:rgb(0, 204, 159) }
```

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, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6889, 0.2450, 0.4019 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, 159) }
```

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

```
.background{ background-color: rgb(0, 204,  
159) }
```

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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