

Converting Colors

$Y_{xy}(45.9125, 0.2420, 0.3912)$

Have a look what the booklet for
Yxy(45.9125, 0.2420, 0.3912)
contains.

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Color

Yxy(45.9023, 0.2421, 0.3915)

Conversions

Conversions Part 1

Format	Color
Hex	00CCA5
RGB	0, 204, 165
RGB Percent	0%, 80%, 65%
CMY	0.9993, 0.2000, 0.3529
CMYK	1.00, 0.00, 0.19, 0.20
HSL	169°, 100%, 40%
HSV	169°, 100%, 80%
XYZ	28.3856, 45.9023, 42.9594
YIQ	138.5580, -109.0650, -55.3770

Conversions

Conversions Part 2

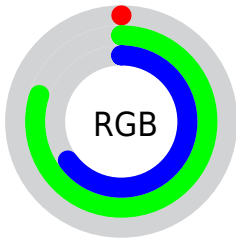
Format	Color
RYB	0, 113, 204
Decimal	52389
CIELab	73.48, -51.49, 7.59
CIELCh	73, 52.043, 171.613
Yxy	45.9023, 0.2421, 0.3915
Android (android.graphics.Color)	4278242469 (0xFF00CCA5)
YUV	138.5580, 13.0359, -121.5154
Hunter-Lab	67.7512, -43.7790, 9.8315

Details

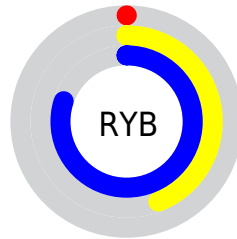
The Yxy color **45.9023, 0.2421, 0.3915** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.9894, 0.6109, 0.3139**, and the grayscale version is **25.6431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5709, 0.2535, 0.3717**, and **22.6871, 0.2465, 0.4074** is the 20% darker color. If you saturate the color by 10%, you get **45.9016, 0.2421, 0.3916**, and if you desaturate by 10%, it is **46.2022, 0.2418, 0.3846**.

Distribution



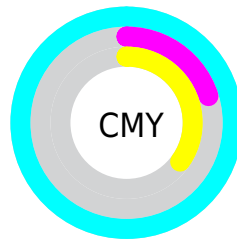
- Red (0%)
- Green (80%)
- Blue (65%)



- Red (0%)
- Yellow (44%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9023, 0.2421, 0.3915 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 45.9023, 0.2421, 0.3915 by changing the saturation by 10% instead.


 45.9023, 0.2421,
0.3915

 45.9023, 0.2421,
0.3915


370.4157, 0.2777,
0.3592


 32.1687, 0.2332,
0.3999


 84.0728, 0.2551,
0.3795

 21.4904, 0.2217,
0.4108


 109.2784, 0.2599,
0.3751


 13.4829, 0.2065,
0.4256


 139.0770, 0.2641,
0.3714

 7.7619, 0.1854,
0.4468

 173.8527, 0.2676,
0.3683

 3.9430, 0.1546,
0.4793

 213.9900, 0.2706,
0.3655

 1.6417, 0.0557,
0.5654

259.8734, 0.2733,

 0.3855, 0.0000,

0.3632

1.0000

311.8872, 0.2756,
0.3611

■ 0.0000, 0.0000,
0.0000

■ 45.9023, 0.2421,
0.3915

■ 45.9023, 0.2421,
0.3915

■ 45.9016, 0.2421,
0.3916

■ 46.2022, 0.2418,
0.3846

■ 46.6671, 0.2430,
0.3777

■ 47.3535, 0.2462,
0.3707

■ 48.2910, 0.2513,
0.3639

■ 49.5045, 0.2583,
0.3572

■ 51.0160, 0.2669,
0.3507

■ 52.8451, 0.2770,
0.3446

■ 55.0099, 0.2882,
0.3390

■ 57.5269, 0.3002,
0.3337

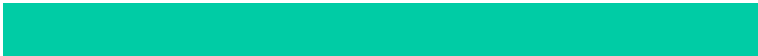
Harmonies

Analogous

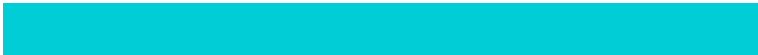
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9023, 0.3065, 0.4509



45.9023, 0.2421, 0.3915



45.9023, 0.1997, 0.3142

Triad

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



45.9023, 0.2421, 0.3915



45.9023, 0.2407, 0.2189



45.9023, 0.4577, 0.3783

Complementary

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



45.9023, 0.2421, 0.3915



12.9894, 0.6109, 0.3139

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.



45.9023, 0.4390, 0.3240



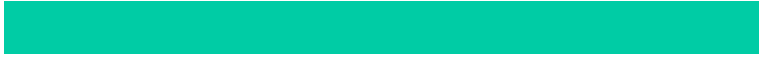
45.9023, 0.2421, 0.3915



45.9023, 0.3051, 0.2374

Square

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



45.9023, 0.2421, 0.3915



45.9023, 0.1999, 0.2233



45.9023, 0.3801, 0.2746



45.9023, 0.4325, 0.4292

Rectangle

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



45.9023, 0.2421, 0.3915



45.9023, 0.1873, 0.2712



45.9023, 0.3801, 0.2746



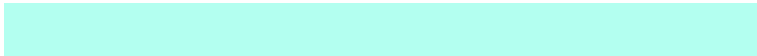
45.9023, 0.4567, 0.3601

Sweetspot

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



45.9041, 0.2421, 0.3915



87.3569, 0.2765, 0.3449



43.6571, 0.3066, 0.5947



18.4093, 0.2720, 0.3475



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.



45.9041, 0.2421, 0.3915



75.9860, 0.2423, 0.3924



23.9629, 0.1966, 0.2275



12.6888, 0.3008, 0.3335



28.9037, 0.2418, 0.3906



1.5008, 0.2381, 0.3771

Inverse Universe

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



12.9894, 0.6109, 0.3139



21.4801, 0.6137, 0.3154



16.2109, 0.5971, 0.3640



11.2482, 0.3260, 0.3246



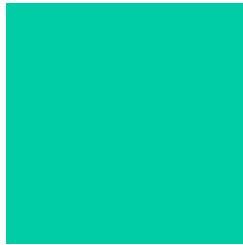
8.1828, 0.6080, 0.3123



0.4329, 0.5545, 0.2828

Previews

White Background



This preview shows how the Yxy color 45.9023, 0.2421, 0.3915 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 45.9023, 0.2421, 0.3915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

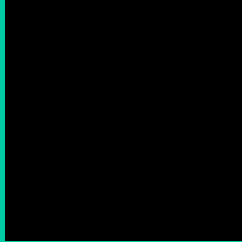
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

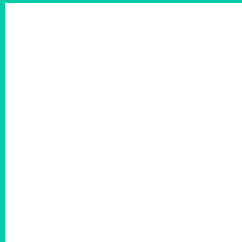
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9023, 0.2421, 0.3915

Background



This preview shows how black text looks on a background with the Yxy color 45.9023, 0.2421, 0.3915.



This preview shows how white text looks on a background with the Yxy color 45.9023, 0.2421, 0.3915.

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

45.9023, 0.2421, 0.3915

Protanopia

45.1986, 0.3432, 0.3648

Deuteranopia

45.0078, 0.3372, 0.3303



Tritanopia

45.7287, 0.2266, 0.3056

Trichromacy



Original Color

45.9023, 0.2421, 0.3915



Protanomaly

42.3938, 0.2825, 0.3765



Deuteranomaly

41.6576, 0.2788, 0.3514



Tritanomaly

45.7254, 0.2303, 0.3348

Monochromacy



Original Color

45.9023, 0.2421, 0.3915



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.4564, 0.2632, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9023, 0.2421, 0.3915 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 165) }
```

Border

The CSS property to change the border of an element to Yxy 45.9023, 0.2421, 0.3915 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, 165) }
```

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

```
.border{ border-color:rgb(0, 204, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9023, 0.2421, 0.3915 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, 165) }
```

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

```
.background{ background-color: rgb(0, 204,  
165) }
```

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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