

Converting Colors

$Y_{xy}(42.8528, 0.2129, 0.4062)$

Have a look what the booklet for
Yxy(42.8528, 0.2129, 0.4062)
contains.

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Color

Yxy(45.7238, 0.2445, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	00CCA0
RGB	0, 204, 160
RGB Percent	0%, 80%, 63%
CMY	0.9987, 0.2000, 0.3725
CMYK	1.00, 0.00, 0.22, 0.20
HSL	167°, 100%, 40%
HSV	167°, 100%, 80%
XYZ	27.9417, 45.7238, 40.6154
YIQ	137.9880, -107.4600, -56.9320

Conversions

Conversions Part 2

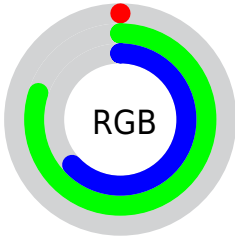
Format	Color
RYB	0, 114, 204
Decimal	52384
CIELab	73.37, -52.74, 10.11
CIELCh	73, 53.697, 169.149
Yxy	45.7238, 0.2445, 0.4001
Android (android.graphics.Color)	4278242464 (0xFF00CCA0)
YUV	137.9880, 10.8519, -121.0155
Hunter-Lab	67.6194, -44.5741, 11.7211

Details

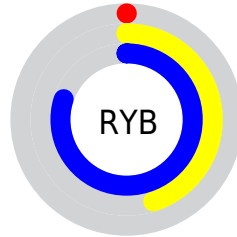
The Yxy color **45.7238, 0.2445, 0.4001** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.0288, 0.6041, 0.3103**, and the grayscale version is **25.4403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2511, 0.2554, 0.3782**, and **22.5990, 0.2491, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **45.7208, 0.2445, 0.4002**, and if you desaturate by 10%, it is **46.0370, 0.2440, 0.3922**.

Distribution



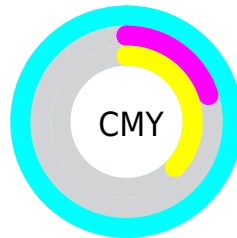
- Red (0%)
- Green (80%)
- Blue (63%)



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



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




- Cyan (100%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7238, 0.2445, 0.4001 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 45.7238, 0.2445, 0.4001 by changing the saturation by 10% instead.


 45.7238, 0.2445,
0.4001


 45.7238, 0.2445,
0.4001


369.6971, 0.2792,
0.3630


 32.0279, 0.2357,
0.4098


 83.8055, 0.2572,
0.3863


 21.3828, 0.2244,
0.4226


 108.9601, 0.2619,
0.3812


 13.4041, 0.2093,
0.4400


 138.7031, 0.2659,
0.3769

 7.7074, 0.1882,
0.4652

 173.4188, 0.2694,
0.3733

 3.9083, 0.1570,
0.5045

 213.4916, 0.2723,
0.3702

 1.6224, 0.0450,
0.6132

259.3061, 0.2749,

 0.3726, 0.0000,

0.3675

1.0000

311.2464, 0.2771,
0.3651


 0.0000, 0.0000,
0.0000


 45.7238, 0.2445,
0.4001


 45.7238, 0.2445,
0.4001


 45.7208, 0.2445,
0.4002

 46.0370, 0.2440,
0.3922

 46.5172, 0.2450,
0.3843

 47.2203, 0.2480,
0.3764

 48.1758, 0.2529,
0.3685

 49.4087, 0.2597,
0.3609

■ 50.9409, 0.2682,
0.3536

■ 52.7922, 0.2780,
0.3467

■ 54.9804, 0.2889,
0.3402

■ 57.5223, 0.3006,
0.3343

Harmonies

Analogous

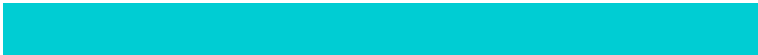
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.7238, 0.3119, 0.4584



45.7238, 0.2445, 0.4001



45.7238, 0.1989, 0.3196

Triad

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



45.7238, 0.2445, 0.4001



45.7238, 0.2340, 0.2153



45.7238, 0.4626, 0.3746

Complementary

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



45.7238, 0.2445, 0.4001



13.0288, 0.6041, 0.3103

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.



45.7238, 0.4396, 0.3191



45.7238, 0.2445, 0.4001



45.7238, 0.2986, 0.2326

Square

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



45.7238, 0.2445, 0.4001



45.7238, 0.1946, 0.2217



45.7238, 0.3760, 0.2692



45.7238, 0.4396, 0.4279

Rectangle

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



45.7238, 0.2445, 0.4001



45.7238, 0.1847, 0.2739



45.7238, 0.3760, 0.2692



45.7238, 0.4602, 0.3559

Sweetspot

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



45.7256, 0.2445, 0.4001



87.2454, 0.2774, 0.3470



43.7315, 0.3076, 0.5938



18.3824, 0.2731, 0.3499



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.



45.7256, 0.2445, 0.4001



75.6866, 0.2448, 0.4012



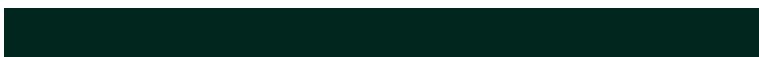
25.0107, 0.1983, 0.2336



12.6839, 0.3012, 0.3341



28.7920, 0.2442, 0.3991



1.4959, 0.2399, 0.3837

Inverse Universe

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



13.0288, 0.6041, 0.3103



21.5366, 0.6074, 0.3119



15.8684, 0.6009, 0.3609



11.2527, 0.3257, 0.3240



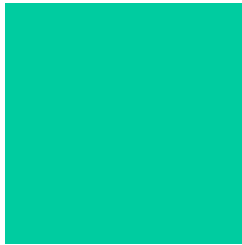
8.2061, 0.6013, 0.3086



0.4349, 0.5456, 0.2779

Previews

White Background



This preview shows how the Yxy color 45.7238, 0.2445, 0.4001 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 45.7238, 0.2445, 0.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

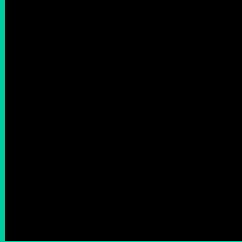
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

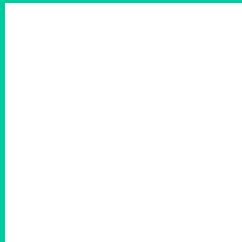
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7238, 0.2445, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 45.7238, 0.2445, 0.4001.

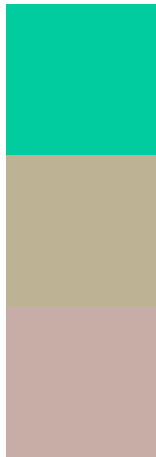


This preview shows how white text looks on a background with the Yxy color 45.7238, 0.2445, 0.4001.

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

45.7238, 0.2445, 0.4001

Protanopia

44.7662, 0.3487, 0.3701

Deuteranopia

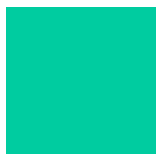
44.9565, 0.3426, 0.3367



Tritanopia

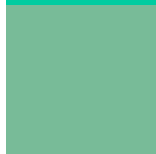
45.7934, 0.2271, 0.3057

Trichromacy



Original Color

45.7238, 0.2445, 0.4001



Protanomaly

41.8007, 0.2858, 0.3831



Deuteranomaly

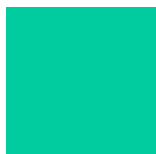
41.4733, 0.2823, 0.3592



Tritanomaly

45.6547, 0.2314, 0.3379

Monochromacy



Original Color

45.7238, 0.2445, 0.4001



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 45.7238, 0.2445, 0.4001 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 160) }
```

Border

The CSS property to change the border of an element to Yxy 45.7238, 0.2445, 0.4001 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, 160) }
```

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

```
.border{ border-color:rgb(0, 204, 160) }
```

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, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7238, 0.2445, 0.4001 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, 160) }
```

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

```
.background{ background-color: rgb(0, 204,  
160) }
```

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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