

Converting Colors

$Y_{xy}(45.3593, 0.2501, 0.4176)$

Have a look what the booklet for
Yxy(45.3593, 0.2501, 0.4176)
contains.

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Color

Yxy(45.4523, 0.2501, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	0BCC96
RGB	11, 204, 150
RGB Percent	4%, 80%, 59%
CMY	0.9584, 0.2000, 0.4118
CMYK	0.95, 0.00, 0.26, 0.20
HSL	163°, 90%, 42%
HSV	163°, 95%, 80%
XYZ	27.2278, 45.4523, 36.1877
YIQ	140.1370, -97.6940, -57.7100

Conversions

Conversions Part 2

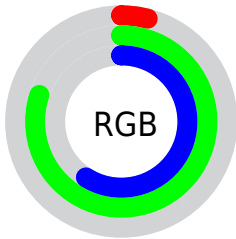
Format	Color
RYB	11, 123, 204
Decimal	773270
CIELab	73.19, -54.83, 15.24
CIElCh	73, 56.906, 164.469
Yxy	45.4523, 0.2501, 0.4175
Android (android.graphics.Color)	4278963350 (0xFF0BCC96)
YUV	140.1370, 4.8625, -113.2531
Hunter-Lab	67.4183, -45.8923, 15.3682

Details

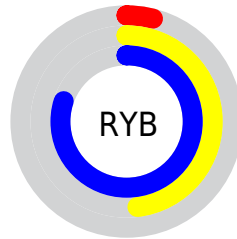
The Yxy color **45.4523, 0.2501, 0.4175** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.4443, 0.5696, 0.2950**, and the grayscale version is **26.2405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8227, 0.2608, 0.3926**, and **22.0807, 0.2552, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **45.2914, 0.2508, 0.4229**, and if you desaturate by 10%, it is **45.8650, 0.2497, 0.4070**.

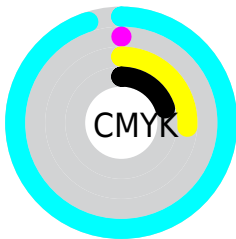
Distribution



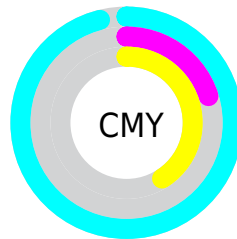
- Red (4%)
- Green (80%)
- Blue (59%)



- Red (4%)
- Yellow (48%)
- Blue (80%)



- Cyan (95%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)




- Cyan (96%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4523, 0.2501, 0.4175 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 45.4523, 0.2501, 0.4175 by changing the saturation by 10% instead.


 45.4523, 0.2501,
0.4175

 45.4523, 0.2501,
0.4175


368.6023, 0.2825,
0.3707


 31.8138, 0.2417,
0.4300


 83.3987, 0.2621,
0.3999


 21.2193, 0.2307,
0.4466


 108.4755, 0.2666,
0.3934


 13.2844, 0.2159,
0.4694


 138.1338, 0.2703,
0.3881

 7.6247, 0.1948,
0.5029

 172.7580, 0.2735,
0.3835

 3.8558, 0.1628,
0.5560

 212.7326, 0.2762,
0.3796

 1.5932, 0.0228,
0.7352

258.4419, 0.2786,

 0.3530, 0.0000,

0.3763

1.0000

310.2703, 0.2807,
0.3733

■ 0.0000, 0.0000,
0.0000

■ 45.4523, 0.2501,
0.4175

■ 45.4523, 0.2501,
0.4175

■ 45.2914, 0.2508,
0.4229

■ 45.8650, 0.2497,
0.4070

■ 46.4850, 0.2511,
0.3965

■ 47.3470, 0.2546,
0.3860

■ 48.4782, 0.2600,
0.3757

■ 49.9017, 0.2671,
0.3658

■ 51.6384, 0.2756,
0.3564

■ 53.7072, 0.2854,
0.3477

■ 56.1254, 0.2960,
0.3396

■ 58.9091, 0.3072,
0.3323

Harmonies

Analogous

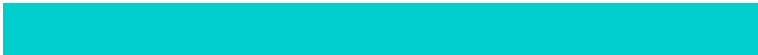
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.4523, 0.3231, 0.4721



45.4523, 0.2501, 0.4175



45.4523, 0.1980, 0.3314

Triad

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



45.4523, 0.2501, 0.4175



45.4523, 0.2213, 0.2088



45.4523, 0.4710, 0.3667

Complementary

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



45.4523, 0.2501, 0.4175



13.4443, 0.5696, 0.2950

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.



45.4523, 0.4392, 0.3092



45.4523, 0.2501, 0.4175



45.4523, 0.2854, 0.2234

Square

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



45.4523, 0.2501, 0.4175



45.4523, 0.1846, 0.2193



45.4523, 0.3670, 0.2588



45.4523, 0.4529, 0.4241

Rectangle

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



45.4523, 0.2501, 0.4175



45.4523, 0.1802, 0.2802



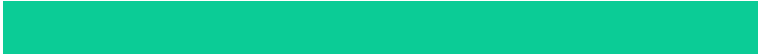
45.4523, 0.3670, 0.2588



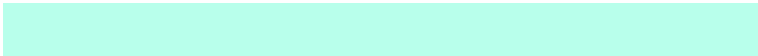
45.4523, 0.4661, 0.3471

Sweetspot

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



45.4541, 0.2501, 0.4175



87.6627, 0.2818, 0.3507



44.3446, 0.3147, 0.5850



18.4469, 0.2776, 0.3546



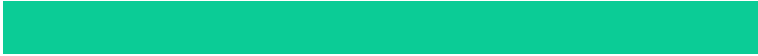
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.4541, 0.2501, 0.4175



74.9719, 0.2512, 0.4242



30.3019, 0.2067, 0.2613



12.6715, 0.3020, 0.3356



28.5247, 0.2504, 0.4214



1.4841, 0.2448, 0.4011

Inverse Universe

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



13.4443, 0.5696, 0.2950



21.7176, 0.5882, 0.3014



15.3614, 0.6031, 0.3535



11.2643, 0.3247, 0.3225



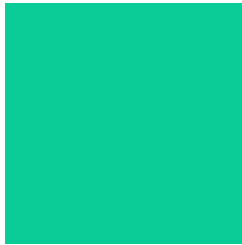
8.2795, 0.5815, 0.2977



0.4403, 0.5244, 0.2662

Previews

White Background



This preview shows how the Yxy color 45.4523, 0.2501, 0.4175 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 45.4523, 0.2501, 0.4175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

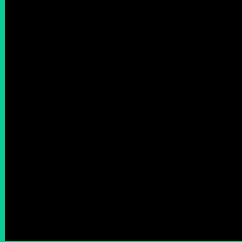
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4523, 0.2501, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 45.4523, 0.2501, 0.4175.

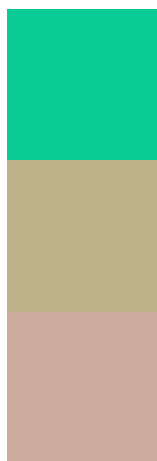


This preview shows how white text looks on a background with the Yxy color 45.4523, 0.2501, 0.4175.

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

45.4589, 0.2501, 0.4175

Protanopia

44.6229, 0.3573, 0.3820

Deuteranopia

44.6359, 0.3546, 0.3481



Tritanopia

45.4266, 0.2283, 0.3056

Trichromacy



Original Color

45.4589, 0.2501, 0.4175



Protanomaly

41.8536, 0.2963, 0.3986



Deuteranomaly

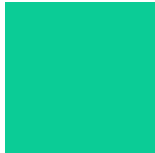
41.6006, 0.2938, 0.3743



Tritanomaly

45.1018, 0.2345, 0.3441

Monochromacy



Original Color

45.4589, 0.2501, 0.4175



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.5352, 0.2687, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4523, 0.2501, 0.4175 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(11, 204, 150)` looks like.

```
.text, #text, p{  
    color:rgb(11, 204, 150)  
}
```

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(11, 204, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 204, 150) }
```

Border

The CSS property to change the border of an element to Yxy 45.4523, 0.2501, 0.4175 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(11, 204, 150) }
```

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

```
.border{ border-color:rgb(11, 204, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 204, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(11, 204,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4523, 0.2501, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 204, 150) }
```

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

```
.background{ background-color: rgb(11, 204,  
150) }
```

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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