

Converting Colors

$Y_{xy}(43.0258, 0.2304, 0.4773)$

Have a look what the booklet for
Yxy(43.0258, 0.2304, 0.4773)
contains.

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Color

Yxy(45.5978, 0.2628, 0.4661)

Conversions

Conversions Part 1

Format	Color
Hex	00CE7C
RGB	0, 206, 124
RGB Percent	0%, 81%, 49%
CMY	1.0000, 0.1921, 0.5136
CMYK	1.00, 0.00, 0.40, 0.19
HSL	156°, 100%, 40%
HSV	156°, 100%, 81%
XYZ	25.7093, 45.5978, 26.5213
YIQ	135.0580, -96.4540, -69.1740

Conversions

Conversions Part 2

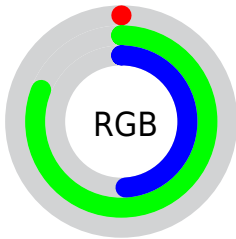
Format	Color
RYB	0, 129, 206
Decimal	52860
CIELab	73.28, -61.48, 29.03
CIELCh	73, 67.994, 154.722
Yxy	45.5978, 0.2628, 0.4661
Android (android.graphics.Color)	4278242940 (0xFF00CE7C)
YUV	135.0580, -5.4516, -118.4459
Hunter-Lab	67.5261, -50.2103, 23.9818

Details

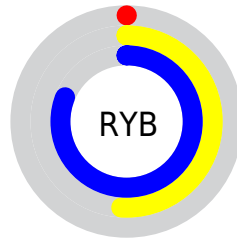
The Yxy color **45.5978, 0.2628, 0.4661** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.7313, 0.5404, 0.2751**, and the grayscale version is **24.3002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5191, 0.2722, 0.4291**, and **22.3071, 0.2723, 0.5002** is the 20% darker color. If you saturate the color by 10%, you get **45.6002, 0.2628, 0.4661**, and if you desaturate by 10%, it is **45.9715, 0.2606, 0.4511**.

Distribution



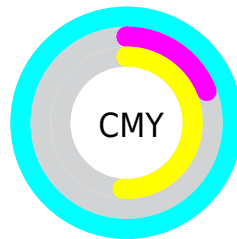
- Red (0%)
- Green (81%)
- Blue (49%)



- Red (0%)
- Yellow (51%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5978, 0.2628, 0.4661 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 45.5978, 0.2628, 0.4661 by changing the saturation by 10% instead.


 45.5978, 0.2628,
0.4661

 45.5978, 0.2628,
0.4661

369.1893, 0.2905,
0.3920


 31.9286, 0.2550,
0.4863


 83.6167, 0.2736,
0.4379


 21.3069, 0.2443,
0.5133


 108.7352, 0.2774,
0.4276


 13.3485, 0.2292,
0.5507


 138.4389, 0.2806,
0.4192

 7.6690, 0.2065,
0.6055

 173.1122, 0.2832,
0.4120

 3.8839, 0.1699,
0.6918

 213.1395, 0.2854,
0.4059

 1.6088, 0.0000,
1.0000


258.9052, 0.2874,

 0.3635, 0.0000,

0.4006


1.0000


310.7937, 0.2891,
0.3960


 0.0000, 0.0000,
0.0000


 45.5978, 0.2628,
0.4661


 45.5978, 0.2628,
0.4661

 45.6002, 0.2628,
0.4661

 45.9715, 0.2606,
0.4511

 46.5258, 0.2600,
0.4357

 47.3199, 0.2614,
0.4202

 48.3843, 0.2649,
0.4048

 49.7452, 0.2701,
0.3899

■ 51.4253, 0.2768,
0.3757

■ 53.4450, 0.2847,
0.3624

■ 55.8233, 0.2936,
0.3502

■ 58.5773, 0.3030,
0.3390

Harmonies

Analogous

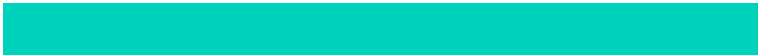
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5978, 0.3505, 0.5069



45.5978, 0.2628, 0.4661



45.5978, 0.1938, 0.3645

Triad

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



45.5978, 0.2628, 0.4661



45.5978, 0.1892, 0.1907



45.5978, 0.4950, 0.3467

Complementary

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



45.5978, 0.2628, 0.4661



13.7313, 0.5404, 0.2751

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.



45.5978, 0.4392, 0.2841



45.5978, 0.2628, 0.4661



45.5978, 0.2522, 0.1990

Square

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



45.5978, 0.2628, 0.4661



45.5978, 0.1586, 0.2112



45.5978, 0.3439, 0.2320



45.5978, 0.4889, 0.4135

Rectangle

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



45.5978, 0.2628, 0.4661



45.5978, 0.1667, 0.2965



45.5978, 0.3439, 0.2320



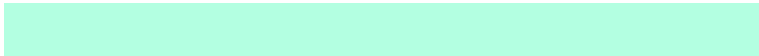
45.5978, 0.4830, 0.3252

Sweetspot

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



45.6002, 0.2628, 0.4661



86.4562, 0.2844, 0.3629



45.9564, 0.3236, 0.5812



18.1933, 0.2809, 0.3684



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.



45.6002, 0.2628, 0.4661



73.8371, 0.2633, 0.4679



39.3234, 0.2159, 0.2971



12.6485, 0.3036, 0.3384



28.0976, 0.2622, 0.4639



1.4642, 0.2540, 0.4345

Inverse Universe

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



13.7313, 0.5404, 0.2751



22.2091, 0.5435, 0.2768



13.6441, 0.6328, 0.3357



11.2864, 0.3229, 0.3198



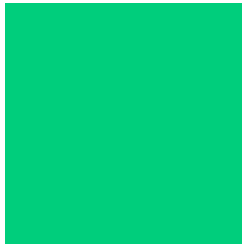
8.4729, 0.5367, 0.2730



0.4520, 0.4849, 0.2445

Previews

White Background



This preview shows how the Yxy color 45.5978, 0.2628, 0.4661 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 45.5978, 0.2628, 0.4661 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 45.5978, 0.2628, 0.4661

Background



This preview shows how black text looks on a background with the Yxy color 45.5978, 0.2628, 0.4661.

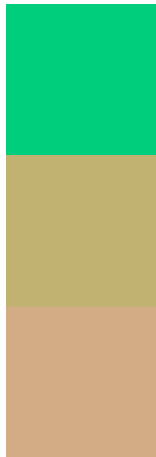


This preview shows how white text looks on a background with the Yxy color 45.5978, 0.2628, 0.4661.

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

45.5978, 0.2628, 0.4661

Protanopia

44.5024, 0.3821, 0.4132

Deuteranopia

44.6406, 0.3855, 0.3774



Tritanopia

45.6789, 0.2313, 0.3072

Trichromacy



Original Color

45.5978, 0.2628, 0.4661



Protanomaly

41.4617, 0.3120, 0.4406



Deuteranomaly

40.9343, 0.3128, 0.4139



Tritanomaly

45.1916, 0.2401, 0.3616

Monochromacy



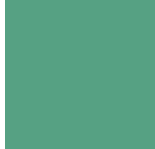
Original Color

45.5978, 0.2628, 0.4661



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

29.1069, 0.2729, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5978, 0.2628, 0.4661 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, 206, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 124)  
}
```

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, 206, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 124) }
```

Border

The CSS property to change the border of an element to Yxy 45.5978, 0.2628, 0.4661 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, 206, 124) }
```

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

```
.border{ border-color:rgb(0, 206, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5978, 0.2628, 0.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 124) }
```

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

```
.background{ background-color: rgb(0, 206,  
124) }
```

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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