

Converting Colors

$Y_{xy}(43.1740, 0.2545, 0.4796)$

Have a look what the booklet for
Yxy(43.1740, 0.2545, 0.4796)
contains.

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Color

Yxy(43.9962, 0.2653, 0.4752)

Conversions

Conversions Part 1

Format	Color
Hex	00CB75
RGB	0, 203, 117
RGB Percent	0%, 80%, 46%
CMY	1.0000, 0.2039, 0.5412
CMYK	1.00, 0.00, 0.42, 0.20
HSL	155°, 100%, 40%
HSV	155°, 100%, 80%
XYZ	24.5627, 43.9962, 24.0257
YIQ	132.4990, -93.3820, -69.7820

Conversions

Conversions Part 2

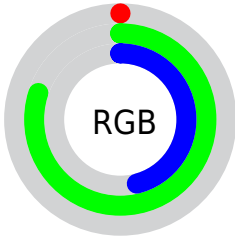
Format	Color
RYB	0, 129, 203
Decimal	52085
CIELab	72.23, -61.80, 31.26
CIElCh	72, 69.259, 153.172
Yxy	43.9962, 0.2653, 0.4752
Android (android.graphics.Color)	4278242165 (0xFF00CB75)
YUV	132.4990, -7.6410, -116.2016
Hunter-Lab	66.3296, -49.9761, 24.9549

Details

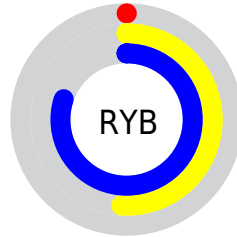
The Yxy color **43.9962, 0.2653, 0.4752** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.3699, 0.5296, 0.2691**, and the grayscale version is **23.3195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1890, 0.2750, 0.4387**, and **21.2727, 0.2756, 0.5122** is the 20% darker color. If you saturate the color by 10%, you get **44.0006, 0.2653, 0.4752**, and if you desaturate by 10%, it is **44.3642, 0.2629, 0.4593**.

Distribution



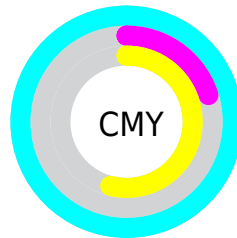
- Red (0%)
- Green (80%)
- Blue (46%)



- Red (0%)
- Yellow (51%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9962, 0.2653, 0.4752 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 43.9962, 0.2653, 0.4752 by changing the saturation by 10% instead.


 43.9962, 0.2653,
0.4752


 43.9962, 0.2653,
0.4752

362.6928, 0.2923,
0.3955


 30.6675, 0.2574,
0.4972


 81.2120, 0.2759,
0.4447


 20.3458, 0.2466,
0.5265


 105.8680, 0.2797,
0.4337

 12.6467, 0.2309,
0.5673


 135.0684, 0.2828,
0.4246

 7.1857, 0.2068,
0.6272

 169.1979, 0.2853,
0.4169

 3.5785, 0.1693,
0.7300

 208.6406, 0.2875,
0.4104

 1.4407, 0.0000,
1.0000

253.7811, 0.2893,

 0.2464, 0.0000,

0.4048

1.0000


305.0037, 0.2909,
0.3998


 0.0000, 0.0000,
0.0000


 43.9962, 0.2653,
0.4752


 43.9962, 0.2653,
0.4752

 44.0006, 0.2653,
0.4752

 44.3642, 0.2629,
0.4593

 44.9064, 0.2621,
0.4430

 45.6824, 0.2634,
0.4264

 46.7221, 0.2666,
0.4099

 48.0504, 0.2716,
0.3940

■ 49.6894, 0.2781,
0.3788

■ 51.6590, 0.2858,
0.3646

■ 53.9774, 0.2943,
0.3515

■ 56.6612, 0.3033,
0.3397

Harmonies

Analogous

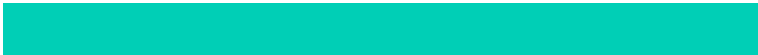
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.9962, 0.3554, 0.5123



43.9962, 0.2653, 0.4752



43.9962, 0.1932, 0.3712

Triad

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



43.9962, 0.2653, 0.4752



43.9962, 0.1837, 0.1876



43.9962, 0.4989, 0.3430

Complementary

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



43.9962, 0.2653, 0.4752



13.3699, 0.5296, 0.2691

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.



43.9962, 0.4386, 0.2795



43.9962, 0.2653, 0.4752



43.9962, 0.2463, 0.1948

Square

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



43.9962, 0.2653, 0.4752



43.9962, 0.1543, 0.2099



43.9962, 0.3393, 0.2272



43.9962, 0.4952, 0.4111

Rectangle

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



43.9962, 0.2653, 0.4752



43.9962, 0.1645, 0.3000



43.9962, 0.3393, 0.2272



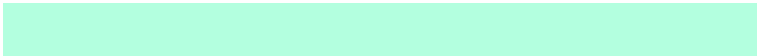
43.9962, 0.4856, 0.3211

Sweetspot

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



44.0006, 0.2653, 0.4752



86.3498, 0.2854, 0.3651



44.7896, 0.3276, 0.5781



18.1680, 0.2821, 0.3711



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.



44.0006, 0.2653, 0.4752



73.6254, 0.2659, 0.4772



40.9123, 0.2189, 0.3079



12.6435, 0.3039, 0.3390



28.0174, 0.2647, 0.4730



1.4604, 0.2561, 0.4418

Inverse Universe

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



13.3699, 0.5296, 0.2691



22.3435, 0.5328, 0.2709



12.9995, 0.6357, 0.3335



11.2912, 0.3225, 0.3192



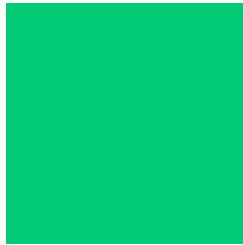
8.5250, 0.5262, 0.2672



0.4549, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 43.9962, 0.2653, 0.4752 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 43.9962, 0.2653, 0.4752 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 43.9962, 0.2653, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 43.9962, 0.2653, 0.4752.

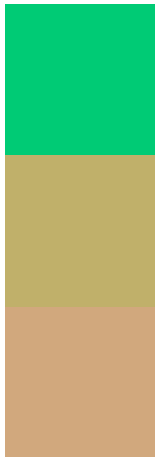


This preview shows how white text looks on a background with the Yxy color 43.9962, 0.2653, 0.4752.

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

43.9962, 0.2653, 0.4752

Protanopia

43.2977, 0.3868, 0.4201

Deuteranopia

43.0412, 0.3913, 0.3828



Tritanopia

43.7492, 0.2313, 0.3054

Trichromacy



Original Color

43.9962, 0.2653, 0.4752



Protanomaly

40.3812, 0.3161, 0.4495



Deuteranomaly

39.4394, 0.3174, 0.4213



Tritanomaly

43.2034, 0.2406, 0.3622

Monochromacy



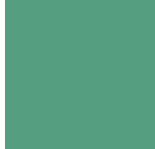
Original Color

43.9962, 0.2653, 0.4752



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.9173, 0.2745, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9962, 0.2653, 0.4752 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, 203, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 117)  
}
```

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, 203, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 117) }
```

Border

The CSS property to change the border of an element to Yxy 43.9962, 0.2653, 0.4752 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, 203, 117) }
```

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

```
.border{ border-color:rgb(0, 203, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9962, 0.2653, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 117) }
```

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

```
.background{ background-color: rgb(0, 203,  
117) }
```

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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