

Converting Colors

$Y_{xy}(44.6245, 0.2625, 0.4651)$

Have a look what the booklet for
Yxy(44.6245, 0.2625, 0.4651)
contains.

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Color

Yxy(44.6158, 0.2627, 0.4657)

Conversions

Conversions Part 1

Format	Color
Hex	00CC7B
RGB	0, 204, 123
RGB Percent	0%, 80%, 48%
CMY	0.9999, 0.2000, 0.5177
CMYK	1.00, 0.00, 0.40, 0.20
HSL	156°, 100%, 40%
HSV	156°, 100%, 80%
XYZ	25.1676, 44.6158, 26.0203
YIQ	133.7700, -95.5830, -68.4390

Conversions

Conversions Part 2

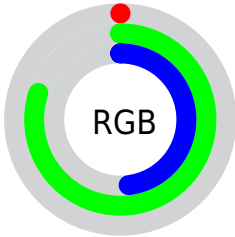
Format	Color
RYB	0, 127, 204
Decimal	52347
CIELab	72.64, -60.99, 28.71
CIELCh	73, 67.408, 154.789
Yxy	44.6158, 0.2627, 0.4657
Android (android.graphics.Color)	4278242427 (0xFF00CC7B)
YUV	133.7700, -5.3096, -117.3163
Hunter-Lab	66.7951, -49.6345, 23.6599

Details

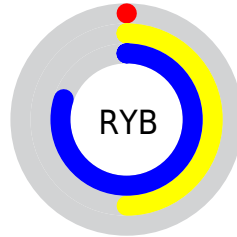
The Yxy color **44.6158, 0.2627, 0.4657** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.4335, 0.5406, 0.2752**, and the grayscale version is **23.8020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4213, 0.2723, 0.4305**, and **21.6608, 0.2722, 0.5001** is the 20% darker color. If you saturate the color by 10%, you get **44.6170, 0.2627, 0.4657**, and if you desaturate by 10%, it is **44.9821, 0.2605, 0.4507**.

Distribution



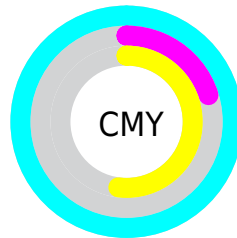
- Red (0%)
- Green (80%)
- Blue (48%)



- Red (0%)
- Yellow (50%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6158, 0.2627, 0.4657 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 44.6158, 0.2627, 0.4657 by changing the saturation by 10% instead.


 44.6158, 0.2627,
0.4657

 44.6158, 0.2627,
0.4657


365.2153, 0.2906,
0.3916


 31.1549, 0.2548,
0.4860


 82.1436, 0.2735,
0.4374

 20.7168, 0.2440,
0.5132

 106.9793, 0.2774,
0.4272


 12.9172, 0.2287,
0.5510


 136.3753, 0.2806,
0.4187

 7.3715, 0.2056,
0.6066

 170.7162, 0.2832,
0.4115

 3.6955, 0.1684,
0.6958

 210.3862, 0.2855,
0.4055

 1.5047, 0.0000,
1.0000


255.7698, 0.2874,


 0.2921, 0.0000,


0.4002


1.0000


307.2514, 0.2891,
0.3956

 0.0000, 0.0000,
0.0000


 44.6158, 0.2627,
0.4657

 44.6158, 0.2627,
0.4657


 44.6170, 0.2627,
0.4657

 44.9821, 0.2605,
0.4507

 45.5254, 0.2599,
0.4354

 46.3032, 0.2614,
0.4199

 47.3453, 0.2648,
0.4046

 48.6771, 0.2701,
0.3897

■ 50.3207, 0.2768,
0.3755

■ 52.2964, 0.2847,
0.3623

■ 54.6222, 0.2936,
0.3501

■ 57.3152, 0.3030,
0.3390

Harmonies

Analogous

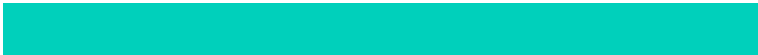
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6158, 0.3503, 0.5066



44.6158, 0.2627, 0.4657



44.6158, 0.1938, 0.3642

Triad

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



44.6158, 0.2627, 0.4657



44.6158, 0.1895, 0.1908



44.6158, 0.4948, 0.3469

Complementary

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



44.6158, 0.2627, 0.4657



13.4335, 0.5406, 0.2752

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.



44.6158, 0.4392, 0.2843



44.6158, 0.2627, 0.4657



44.6158, 0.2525, 0.1992

Square

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



44.6158, 0.2627, 0.4657



44.6158, 0.1588, 0.2113



44.6158, 0.3441, 0.2322



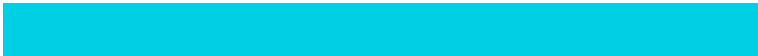
44.6158, 0.4886, 0.4136

Rectangle

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



44.6158, 0.2627, 0.4657



44.6158, 0.1668, 0.2963



44.6158, 0.3441, 0.2322



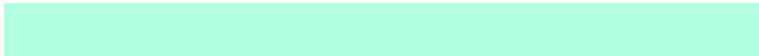
44.6158, 0.4829, 0.3253

Sweetspot

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



44.6176, 0.2627, 0.4657



86.4595, 0.2844, 0.3628



44.9646, 0.3237, 0.5812



18.1941, 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.



44.6176, 0.2627, 0.4657



73.8437, 0.2632, 0.4676



38.4780, 0.2159, 0.2971



12.6486, 0.3035, 0.3384



28.1001, 0.2621, 0.4636



1.4644, 0.2540, 0.4343

Inverse Universe

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



13.4335, 0.5406, 0.2752



22.2051, 0.5438, 0.2769



13.3537, 0.6327, 0.3358



11.2863, 0.3229, 0.3198



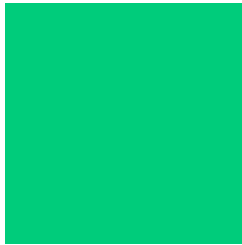
8.4714, 0.5370, 0.2732



0.4519, 0.4852, 0.2446

Previews

White Background



This preview shows how the Yxy color 44.6158, 0.2627, 0.4657 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 44.6158, 0.2627, 0.4657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

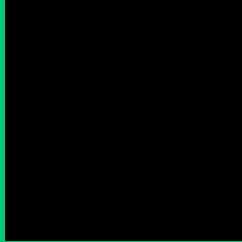
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6158, 0.2627, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 44.6158, 0.2627, 0.4657.



This preview shows how white text looks on a background with the Yxy color 44.6158, 0.2627, 0.4657.

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

44.6158, 0.2627, 0.4657

Protanopia

43.9516, 0.3824, 0.4136

Deuteranopia

43.5699, 0.3854, 0.3766



Tritanopia

44.6429, 0.2312, 0.3070

Trichromacy



Original Color

44.6158, 0.2627, 0.4657



Protanomaly

41.0126, 0.3128, 0.4409



Deuteranomaly

40.0010, 0.3128, 0.4130



Tritanomaly

44.2069, 0.2396, 0.3602

Monochromacy



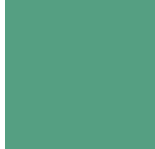
Original Color

44.6158, 0.2627, 0.4657



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.3393, 0.2725, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6158, 0.2627, 0.4657 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, 123)` looks like.

```
.text, #text, p{  
  color:rgb(0, 204, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 123) }
```

Border

The CSS property to change the border of an element to Yxy 44.6158, 0.2627, 0.4657 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, 123) }
```

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

```
.border{ border-color:rgb(0, 204, 123) }
```

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, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6158, 0.2627, 0.4657 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, 123) }
```

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

```
.background{ background-color: rgb(0, 204,  
123) }
```

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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