

Converting Colors

$Yxy(16.7945, 0.2001, 0.4314)$

Have a look what the booklet for
Yxy(16.7945, 0.2001, 0.4314)
contains.

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Color

$\text{Yxy}(18.4902, 0.2500, 0.4198)$

Conversions

Conversions Part 1

Format	Color
Hex	008862
RGB	0, 136, 98
RGB Percent	0%, 53%, 38%
CMY	0.9989, 0.4667, 0.6157
CMYK	1.00, 0.00, 0.28, 0.47
HSL	163°, 100%, 27%
HSV	163°, 100%, 53%
XYZ	11.0113, 18.4902, 14.5437
YIQ	91.0040, -68.8580, -40.6500

Conversions

Conversions Part 2

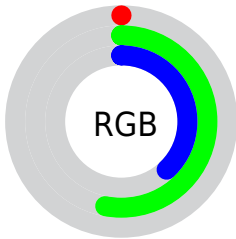
Format	Color
RYB	0, 79, 136
Decimal	34914
CIELab	50.09, -41.10, 11.70
CIELCh	50, 42.739, 164.106
Yxy	18.4902, 0.2500, 0.4198
Android (android.graphics.Color)	4278224994 (0xFF008862)
YUV	91.0040, 3.4490, -79.8105
Hunter-Lab	43.0002, -29.5409, 10.0468

Details

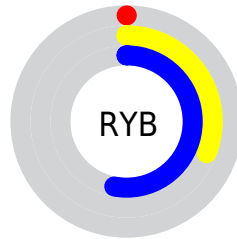
The Yxy color **18.4902, 0.2500, 0.4198** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.3818, 0.5764, 0.2951**, and the grayscale version is **10.4863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7462, 0.2648, 0.3962**, and **6.7360, 0.2597, 0.4548** is the 20% darker color. If you saturate the color by 10%, you get **18.4876, 0.2500, 0.4200**, and if you desaturate by 10%, it is **18.6552, 0.2497, 0.4096**.

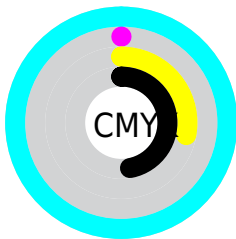
Distribution



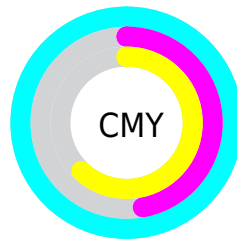
- Red (0%)
- Green (53%)
- Blue (38%)



- Red (0%)
- Yellow (31%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4902, 0.2500, 0.4198 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 18.4902, 0.2500, 0.4198 by changing the saturation by 10% instead.

 18.4902, 0.2500,
0.4198


 18.4902, 0.2500,
0.4198


243.6197, 0.2872,
0.3650


 11.3025, 0.2380,
0.4381


 40.8709, 0.2653,
0.3969


 6.2707, 0.2206,
0.4653


 56.8326, 0.2704,
0.3893


 3.0104, 0.1930,
0.5099

 76.4878, 0.2746,
0.3832

 1.1371, 0.0363,
0.7142

 100.2209, 0.2780,
0.3783

 0.0094, 0.0000,
1.0000

 128.4162, 0.2809,
0.3741

 0.0000, 0.0000,
0.0000

 161.4582, 0.2833,

0.3706

199.7313, 0.2854,
0.3676

■ 18.4902, 0.2500,
0.4198

■ 18.4902, 0.2500,
0.4198

■ 18.4876, 0.2500,
0.4200

■ 18.6552, 0.2497,
0.4096

■ 18.8795, 0.2506,
0.3993

■ 19.1936, 0.2535,
0.3891

■ 19.6080, 0.2582,
0.3790

■ 20.1316, 0.2645,
0.3693

■ 20.7725, 0.2723,
0.3600

■ 21.5378, 0.2813,
0.3512

■ 22.4343, 0.2913,
0.3431

■ 23.4680, 0.3019,
0.3356

Harmonies

Analogous

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



18.4902, 0.3240, 0.4745



18.4902, 0.2500, 0.4198



18.4902, 0.1971, 0.3324

Triad

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



18.4902, 0.2500, 0.4198



18.4902, 0.2196, 0.2074



18.4902, 0.4730, 0.3661

Complementary

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



18.4902, 0.2500, 0.4198



5.3818, 0.5764, 0.2951

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.



18.4902, 0.4402, 0.3081



18.4902, 0.2500, 0.4198



18.4902, 0.2841, 0.2219

Square

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



18.4902, 0.2500, 0.4198



18.4902, 0.1829, 0.2183



18.4902, 0.3667, 0.2575



18.4902, 0.4550, 0.4243

Rectangle

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



18.4902, 0.2500, 0.4198



18.4902, 0.1789, 0.2802



18.4902, 0.3667, 0.2575



18.4902, 0.4678, 0.3464

Sweetspot

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



18.4909, 0.2500, 0.4198



37.8335, 0.2805, 0.3519



18.0341, 0.3143, 0.5884



8.6428, 0.2771, 0.3551



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.4909, 0.2500, 0.4198



32.5553, 0.2506, 0.4221



12.2098, 0.2055, 0.2597



5.6651, 0.3026, 0.3352



17.5006, 0.2499, 0.4198



0.1188, 0.2369, 0.3727

Inverse Universe

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



5.3818, 0.5764, 0.2951



9.4482, 0.5824, 0.2982



6.1474, 0.6100, 0.3534



5.0701, 0.3240, 0.3229



5.0884, 0.5765, 0.2949



0.0360, 0.4718, 0.2373

Previews

White Background



This preview shows how the Yxy color 18.4902, 0.2500, 0.4198 looks on a white background.

Color Contrast Check

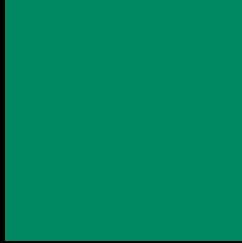
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4902, 0.2500, 0.4198 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 × Fail

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

Yxy 18.4902, 0.2500, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 18.4902, 0.2500, 0.4198.



This preview shows how white text looks on a background with the Yxy color 18.4902, 0.2500, 0.4198.

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

18.4902, 0.2500, 0.4198

Protanopia

18.2071, 0.3590, 0.3827

Deuteranopia

18.2481, 0.3564, 0.3493



Tritanopia

18.4462, 0.2299, 0.3057

Trichromacy



Original Color

18.4902, 0.2500, 0.4198



Protanomaly

17.2069, 0.2960, 0.4009



Deuteranomaly

16.8849, 0.2942, 0.3752



Tritanomaly

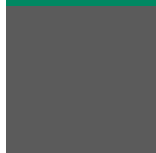
18.2444, 0.2352, 0.3444

Monochromacy



Original Color

18.4902, 0.2500, 0.4198



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.2231, 0.2676, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4902, 0.2500, 0.4198 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, 136, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 98)  
}
```

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, 136, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 98) }
```

Border

The CSS property to change the border of an element to Yxy 18.4902, 0.2500, 0.4198 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, 136, 98) }
```

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

```
.border{ border-color:rgb(0, 136, 98) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.4902, 0.2500, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 98) }
```

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

```
.background{ background-color: rgb(0, 136,  
98) }
```

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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