

Converting Colors

$Yxy(18.8379, 0.2562, 0.4422)$

Have a look what the booklet for
Yxy(18.8379, 0.2562, 0.4422)
contains.

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Color

Yxy(18.9323, 0.2560, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	008A5B
RGB	0, 138, 91
RGB Percent	0%, 54%, 36%
CMY	0.9995, 0.4588, 0.6432
CMYK	1.00, 0.00, 0.34, 0.46
HSL	160°, 100%, 27%
HSV	160°, 100%, 54%
XYZ	10.9777, 18.9323, 12.9717
YIQ	91.3800, -67.1610, -43.8730

Conversions

Conversions Part 2

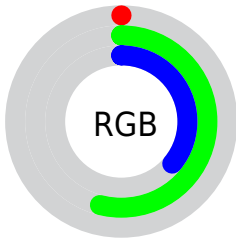
Format	Color
RYB	0, 83, 138
Decimal	35419
CIELab	50.61, -43.61, 16.43
CIELCh	51, 46.598, 159.354
Yxy	18.9323, 0.2560, 0.4415
Android (android.graphics.Color)	4278225499 (0xFF008A5B)
YUV	91.3800, -0.1873, -80.1403
Hunter-Lab	43.5113, -31.1098, 12.7821

Details

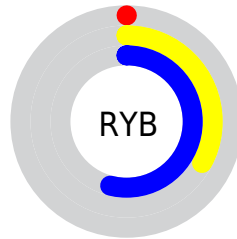
The Yxy color **18.9323, 0.2560, 0.4415** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.6125, 0.5550, 0.2832**, and the grayscale version is **10.5741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4162, 0.2705, 0.4129**, and **7.0059, 0.2674, 0.4826** is the 20% darker color. If you saturate the color by 10%, you get **18.9314, 0.2560, 0.4416**, and if you desaturate by 10%, it is **19.1088, 0.2551, 0.4289**.

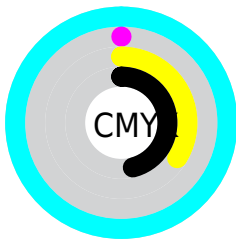
Distribution



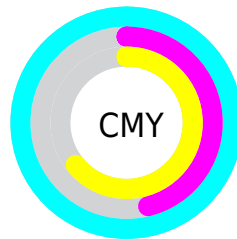
- Red (0%)
- Green (54%)
- Blue (36%)



- Red (0%)
- Yellow (33%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9323, 0.2560, 0.4415 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 18.9323, 0.2560, 0.4415 by changing the saturation by 10% instead.


 18.9323, 0.2560,
0.4415

 18.9323, 0.2560,
0.4415


246.0748, 0.2903,
0.3732


 11.6214, 0.2446,
0.4645


 41.6197, 0.2703,
0.4128

 6.4864, 0.2276,
0.4989


 57.7649, 0.2751,
0.4033


 3.1430, 0.2000,
0.5553

 77.6237, 0.2789,
0.3957

 1.2069, 0.0372,
0.8692

 101.5804, 0.2820,
0.3896

 0.0673, 0.0000,
1.0000

 130.0195, 0.2846,
0.3844

 0.0000, 0.0000,
0.0000

 163.3253, 0.2868,

0.3801

201.8823, 0.2887,
0.3764

■ 18.9323, 0.2560,
0.4415

■ 18.9323, 0.2560,
0.4415

■ 18.9314, 0.2560,
0.4416

■ 19.1088, 0.2551,
0.4289

■ 19.3480, 0.2555,
0.4161

■ 19.6816, 0.2578,
0.4034

■ 20.1203, 0.2620,
0.3908

■ 20.6738, 0.2678,
0.3787

■ 21.3502, 0.2751,
0.3672

■ 22.1571, 0.2835,
0.3564

■ 23.1015, 0.2927,
0.3464

■ 24.1897, 0.3026,
0.3372

Harmonies

Analogous

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



18.9323, 0.3367, 0.4907



18.9323, 0.2560, 0.4415



18.9323, 0.1954, 0.3470

Triad

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



18.9323, 0.2560, 0.4415



18.9323, 0.2048, 0.1993



18.9323, 0.4838, 0.3570

Complementary

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



18.9323, 0.2560, 0.4415



5.6125, 0.5550, 0.2832

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.



18.9323, 0.4402, 0.2966



18.9323, 0.2560, 0.4415



18.9323, 0.2688, 0.2108

Square

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



18.9323, 0.2560, 0.4415



18.9323, 0.1711, 0.2148



18.9323, 0.3561, 0.2452



18.9323, 0.4713, 0.4196

Rectangle

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



18.9323, 0.2560, 0.4415



18.9323, 0.1729, 0.2875



18.9323, 0.3561, 0.2452



18.9323, 0.4754, 0.3363

Sweetspot

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



18.9330, 0.2560, 0.4415



38.9429, 0.2828, 0.3571



18.8150, 0.3204, 0.5837



8.6141, 0.2797, 0.3610



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.



18.9330, 0.2560, 0.4415



33.3396, 0.2567, 0.4442



14.6331, 0.2117, 0.2819



5.6601, 0.3033, 0.3366



17.3603, 0.2559, 0.4412



0.1181, 0.2401, 0.3843

Inverse Universe

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



5.6125, 0.5550, 0.2832



9.8596, 0.5606, 0.2862



5.9330, 0.6226, 0.3437



5.0749, 0.3231, 0.3216



5.1451, 0.5543, 0.2827



0.0367, 0.4494, 0.2250

Previews

White Background



This preview shows how the Yxy color 18.9323, 0.2560, 0.4415 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 18.9323, 0.2560, 0.4415 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 18.9323, 0.2560, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 18.9323, 0.2560, 0.4415.



This preview shows how white text looks on a background with the Yxy color 18.9323, 0.2560, 0.4415.

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

18.9323, 0.2560, 0.4415

Protanopia

18.8033, 0.3706, 0.3986

Deuteranopia

18.6814, 0.3707, 0.3634



Tritanopia

19.0839, 0.2317, 0.3080

Trichromacy



Original Color

18.9323, 0.2560, 0.4415



Protanomaly

17.6896, 0.3051, 0.4205



Deuteranomaly

17.0979, 0.3039, 0.3929



Tritanomaly

18.7716, 0.2384, 0.3533

Monochromacy



Original Color

18.9323, 0.2560, 0.4415



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.3800, 0.2710, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9323, 0.2560, 0.4415 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, 138, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 91)  
}
```

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, 138, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 91) }
```

Border

The CSS property to change the border of an element to Yxy 18.9323, 0.2560, 0.4415 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, 138, 91) }
```

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

```
.border{ border-color:rgb(0, 138, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9323, 0.2560, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 91) }
```

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

```
.background{ background-color: rgb(0, 138,  
91) }
```

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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