

Converting Colors

$Y_{xy}(18.9711, 0.4158, 0.4684)$

Have a look what the booklet for
Yxy(18.9711, 0.4158, 0.4684)
contains.

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Color

Yxy(18.9711, 0.4158, 0.4684)

Conversions

Conversions Part 1

Format	Color
Hex	847A27
RGB	132, 122, 39
RGB Percent	52%, 48%, 15%
CMY	0.4824, 0.5215, 0.8472
CMYK	0.00, 0.08, 0.70, 0.48
HSL	54°, 54%, 34%
HSV	54°, 70%, 52%
XYZ	16.8407, 18.9711, 4.6901
YIQ	115.5280, 32.6030, -23.6930

Conversions

Conversions Part 2

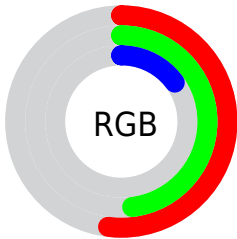
Format	Color
RYB	50, 132, 39
Decimal	8682023
CIELab	50.65, -6.47, 44.81
CIELCh	51, 45.276, 98.214
Yxy	18.9711, 0.4158, 0.4684
Android (android.graphics.Color)	4286872103 (0xFF847A27)
YUV	115.5280, -37.7283, 14.4459
Hunter-Lab	43.5558, -7.2063, 24.1047

Details

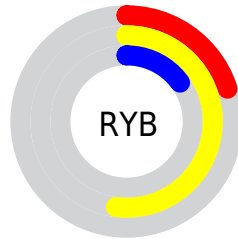
The Yxy color **18.9711, 0.4158, 0.4684** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2893, 0.1863, 0.1311**, and the grayscale version is **17.4223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6847, 0.3971, 0.4394**, and **6.5598, 0.4298, 0.4969** is the 20% darker color. If you saturate the color by 10%, you get **18.5536, 0.4258, 0.4792**, and if you desaturate by 10%, it is **19.4259, 0.4035, 0.4538**.

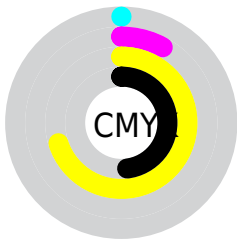
Distribution



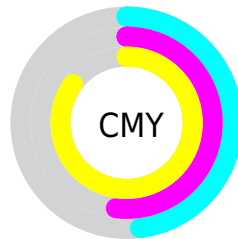
- Red (52%)
- Green (48%)
- Blue (15%)



- Red (20%)
- Yellow (52%)
- Blue (15%)



- Cyan (0%)
- Magenta (8%)
- Yellow (70%)
- Black (48%)





- Cyan (48%)
- Magenta (52%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9711, 0.4158, 0.4684 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 18.9711, 0.4158, 0.4684 by changing the saturation by 10% instead.


 18.9711, 0.4158,
0.4684


 18.9711, 0.4158,
0.4684


246.2892, 0.3614,
0.3914


 11.6494, 0.4279,
0.4879


 41.6853, 0.3964,
0.4395

 6.5054, 0.4423,
0.5133


 57.8465, 0.3888,
0.4287


 3.1548, 0.4561,
0.5439


 77.7231, 0.3824,
0.4198

 1.2131, 0.4441,
0.5559

 101.6993, 0.3769,
0.4123

 0.0723, 0.0000,
1.0000

 130.1596, 0.3722,
0.4059

 0.0000, 0.0000,
0.0000

 163.4885, 0.3681,

0.4004

202.0702, 0.3645,
0.3956

■ 18.9711, 0.4158,
0.4684

■ 18.9711, 0.4158,
0.4684

■ 18.5536, 0.4258,
0.4792

■ 19.4259, 0.4035,
0.4538

■ 18.1675, 0.4333,
0.4859

■ 19.9182, 0.3896,
0.4361

■ 17.8201, 0.4389,
0.4897

■ 20.4514, 0.3745,
0.4161

■ 21.0279, 0.3589,
0.3948

■ 21.6497, 0.3432,
0.3729

■ 22.3189, 0.3280,
0.3511

■ 23.0372, 0.3134,
0.3300

■ 23.8063, 0.2997,
0.3099

■ 24.6280, 0.2871,
0.2910

Harmonies

Analogous

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



18.9711, 0.4687, 0.4158



18.9711, 0.4158, 0.4684



18.9711, 0.3397, 0.4861

Triad

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



18.9711, 0.4158, 0.4684



18.9711, 0.1712, 0.2678



18.9711, 0.3517, 0.2456

Complementary

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



18.9711, 0.4158, 0.4684



4.2893, 0.1863, 0.1311

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.



18.9711, 0.2672, 0.2127



18.9711, 0.4158, 0.4684



18.9711, 0.1737, 0.2189

Square

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



18.9711, 0.4158, 0.4684



18.9711, 0.2002, 0.3503



18.9711, 0.2057, 0.2024



18.9711, 0.4340, 0.2956

Rectangle

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



18.9711, 0.4158, 0.4684



18.9711, 0.2859, 0.4631



18.9711, 0.2057, 0.2024



18.9711, 0.3221, 0.2324

Sweetspot

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



18.9720, 0.4158, 0.4684



38.0258, 0.3447, 0.3751



6.5826, 0.5126, 0.3121



8.7923, 0.3484, 0.3802



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.9720, 0.4158, 0.4684



32.2410, 0.4310, 0.4840



19.1531, 0.3590, 0.5103



5.3399, 0.3259, 0.3482



17.2596, 0.4389, 0.4897



0.0659, 0.4283, 0.4982

Inverse Universe

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



4.2893, 0.1863, 0.1311



4.7507, 0.1638, 0.0910



4.5952, 0.2239, 0.1326



4.6192, 0.2992, 0.3090



1.9263, 0.1529, 0.0703



0.0115, 0.1644, 0.1119

Previews

White Background



This preview shows how the Yxy color 18.9711, 0.4158, 0.4684 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 18.9711, 0.4158, 0.4684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

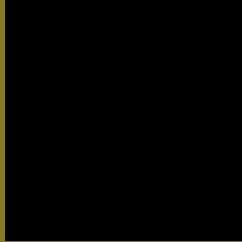
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9711, 0.4158, 0.4684

Background



This preview shows how black text looks on a background with the Yxy color 18.9711, 0.4158, 0.4684.



This preview shows how white text looks on a background with the Yxy color 18.9711, 0.4158, 0.4684.

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

18.9711, 0.4158, 0.4684

Protanopia

18.9721, 0.4210, 0.4645

Deuteranopia

19.0079, 0.4474, 0.4404



Tritanopia

18.9537, 0.3344, 0.3132

Trichromacy



Original Color

18.9711, 0.4158, 0.4684

Protanomaly

18.8896, 0.4197, 0.4653

Deuteranomaly

19.0463, 0.4352, 0.4510

Tritanomaly

18.7295, 0.3693, 0.3750

Monochromacy



Original Color

18.9711, 0.4158, 0.4684

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7990, 0.3546, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9711, 0.4158, 0.4684 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(132, 122, 39)` looks like.

```
.text, #text, p{  
    color:rgb(132, 122, 39)  
}
```

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(132, 122, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 122, 39) }
```

Border

The CSS property to change the border of an element to Yxy 18.9711, 0.4158, 0.4684 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(132, 122, 39) }
```

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

```
.border{ border-color:rgb(132, 122, 39) }
```

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

Here you see how a box with a 4 pixel rgb(132, 122, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 122, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 122, 39);  
box-shadow:4px 4px 4px 4px rgb(132, 122,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9711, 0.4158, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 122, 39) }
```

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

```
.background{ background-color: rgb(132,  
122, 39) }
```

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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