

Converting Colors

$Y_{xy}(16.8222, 0.4566, 0.3899)$

Have a look what the booklet for
Yxy(16.8222, 0.4566, 0.3899)
contains.

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Color

Yxy(16.8222, 0.4566, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	9F643D
RGB	159, 100, 61
RGB Percent	62%, 39%, 24%
CMY	0.3764, 0.6079, 0.7608
CMYK	0.00, 0.37, 0.62, 0.38
HSL	24°, 45%, 43%
HSV	24°, 62%, 62%
XYZ	19.7000, 16.8222, 6.6227
YIQ	113.1950, 47.6830, 0.3790

Conversions

Conversions Part 2

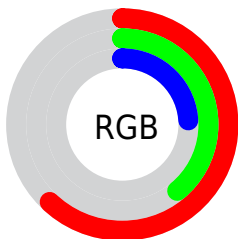
Format	Color
R_{YB}	159, 126, 61
Decimal	10445885
CIE _{Lab}	48.04, 19.89, 31.75
CIE _{LCh}	48, 37.465, 57.940
Yxy	16.8222, 0.4566, 0.3899
Android (android.graphics.Color)	4288635965 (0xFF9F643D)
YUV	113.1950, -25.7321, 40.1710
Hunter-Lab	41.0149, 13.9598, 19.1368

Details

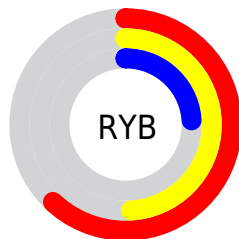
The Yxy color **16.8222, 0.4566, 0.3899** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.9326, 0.2220, 0.2523**, and the grayscale version is **16.6421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9891, 0.4244, 0.3799**, and **5.5267, 0.5132, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **14.9464, 0.4883, 0.3952**, and if you desaturate by 10%, it is **18.9664, 0.4261, 0.3818**.

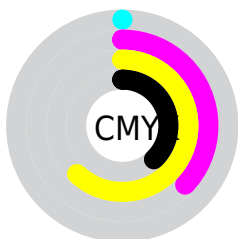
Distribution



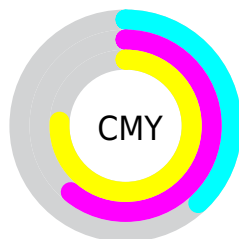
- Red (62%)
- Green (39%)
- Blue (24%)



- Red (62%)
- Yellow (49%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (62%)
- Black (38%)





- Cyan (38%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8222, 0.4566, 0.3899 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 16.8222, 0.4566, 0.3899 by changing the saturation by 10% instead.


 16.8222, 0.4566,
0.3899


 16.8222, 0.4566,
0.3899


234.1457, 0.3733,
0.3595


 10.1078, 0.4809,
0.3957


 38.0198, 0.4236,
0.3796


 5.4705, 0.5135,
0.4006

 53.2718, 0.4120,
0.3754

 2.5259, 0.5819,
0.4181

 72.1385, 0.4025,
0.3718

 0.8896, 0.6168,
0.3832

 95.0043, 0.3947,
0.3687

 0.0000, 1.0000,
0.0000

 122.2534, 0.3881,
0.3659

 0.0000, 0.0000,
0.0000

 154.2705, 0.3824,

0.3635

191.4398, 0.3776,
0.3614

■ 16.8222, 0.4566,
0.3899

■ 16.8222, 0.4566,
0.3899

■ 14.9464, 0.4883,
0.3952

■ 18.9664, 0.4261,
0.3818

■ 13.3243, 0.5194,
0.3965

■ 21.3877, 0.3979,
0.3719

■ 11.9435, 0.5474,
0.3928

■ 24.0972, 0.3728,
0.3614

■ 10.9575, 0.5683,
0.3869

■ 27.1049, 0.3508,
0.3507

■ 30.4199, 0.3316,
0.3404

■ 34.0513, 0.3152,
0.3305

■ 38.0075, 0.3010,
0.3214

■ 42.2966, 0.2889,
0.3130

■ 46.9266, 0.2785,
0.3052

Harmonies

Analogous

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



16.8222, 0.4476, 0.3353



16.8222, 0.4566, 0.3899



16.8222, 0.4232, 0.4388

Triad

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



16.8222, 0.4566, 0.3899



16.8222, 0.2305, 0.3755



16.8222, 0.2522, 0.2205

Complementary

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



16.8222, 0.4566, 0.3899



16.9326, 0.2220, 0.2523

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.



16.8222, 0.2058, 0.2197



16.8222, 0.4566, 0.3899



16.8222, 0.1938, 0.2991

Square

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



16.8222, 0.4566, 0.3899



16.8222, 0.2916, 0.4427



16.8222, 0.1860, 0.2449



16.8222, 0.3208, 0.2435

Rectangle

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



16.8222, 0.4566, 0.3899



16.8222, 0.3846, 0.4599



16.8222, 0.1860, 0.2449



16.8222, 0.2339, 0.2176

Sweetspot

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



16.8231, 0.4566, 0.3899



50.4282, 0.3441, 0.3472



12.1010, 0.3807, 0.2368



11.0095, 0.3497, 0.3501



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.8231, 0.4566, 0.3899



25.6159, 0.5002, 0.3962



28.7581, 0.4072, 0.4562



7.0576, 0.3275, 0.3379



8.7300, 0.5668, 0.3882



0.2362, 0.5003, 0.4410

Inverse Universe

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



16.9326, 0.2220, 0.2523



25.7355, 0.2064, 0.2315



8.1864, 0.2004, 0.1558



7.0661, 0.2988, 0.3199



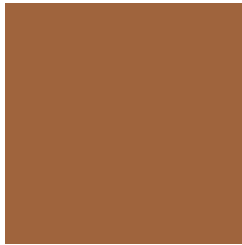
8.6300, 0.1878, 0.1960



0.2353, 0.2042, 0.2551

Previews

White Background



This preview shows how the Yxy color 16.8222, 0.4566, 0.3899 looks on a white background.

Color Contrast Check

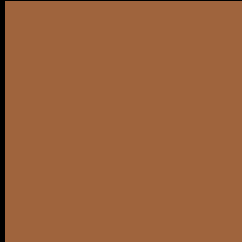
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.8222, 0.4566, 0.3899 looks on a black 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

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

Yxy 16.8222, 0.4566, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 16.8222, 0.4566, 0.3899.



This preview shows how white text looks on a background with the Yxy color 16.8222, 0.4566, 0.3899.

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

16.8222, 0.4566, 0.3899

Protanopia

17.0904, 0.3887, 0.4227

Deuteranopia

16.9158, 0.4241, 0.4161



Tritanopia

16.8251, 0.4043, 0.3180

Trichromacy



Original Color

16.8222, 0.4566, 0.3899

Protanomaly

16.9253, 0.4129, 0.4115

Deuteranomaly

16.9302, 0.4361, 0.4060

Tritanomaly

16.8146, 0.4251, 0.3454

Monochromacy



Original Color

16.8222, 0.4566, 0.3899

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2791, 0.3628, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8222, 0.4566, 0.3899 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(159, 100, 61)` looks like.

```
.text, #text, p{  
    color:rgb(159, 100, 61)  
}
```

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(159, 100, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 100, 61) }
```

Border

The CSS property to change the border of an element to Yxy 16.8222, 0.4566, 0.3899 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(159, 100, 61) }
```

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

```
.border{ border-color:rgb(159, 100, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 100, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 100, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 100, 61);  
box-shadow:4px 4px 4px 4px rgb(159, 100,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8222, 0.4566, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 100, 61) }
```

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

```
.background{ background-color: rgb(159,  
100, 61) }
```

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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