

Converting Colors

$Y_{xy}(15.9703, 0.4241, 0.3911)$

Have a look what the booklet for
Yxy(15.9703, 0.4241, 0.3911)
contains.

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Color

Yxy(16.0350, 0.4247, 0.3922)

Conversions

Conversions Part 1

Format	Color
Hex	906743
RGB	144, 103, 67
RGB Percent	56%, 40%, 26%
CMY	0.4353, 0.5960, 0.7374
CMYK	0.00, 0.28, 0.53, 0.44
HSL	28°, 37%, 41%
HSV	28°, 53%, 56%
XYZ	17.3638, 16.0350, 7.4860
YIQ	111.1550, 35.9920, -2.5040

Conversions

Conversions Part 2

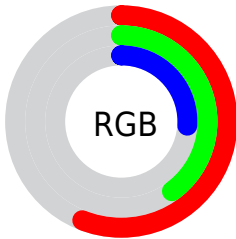
Format	Color
RYB	144, 135, 67
Decimal	9463619
CIELab	47.02, 12.07, 26.72
CIELCh	47, 29.321, 65.695
Yxy	16.0350, 0.4247, 0.3922
Android (android.graphics.Color)	4287653699 (0xFF906743)
YUV	111.1550, -21.7684, 28.8051
Hunter-Lab	40.0437, 7.3246, 16.9466

Details

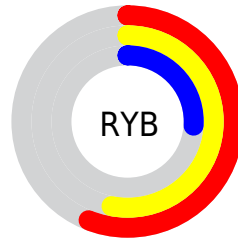
The Yxy color **16.0350, 0.4247, 0.3922** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.9232, 0.2309, 0.2530**, and the grayscale version is **16.0001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6515, 0.3982, 0.3788**, and **5.1104, 0.4729, 0.4115** is the 20% darker color. If you saturate the color by 10%, you get **14.4286, 0.4525, 0.4016**, and if you desaturate by 10%, it is **17.8257, 0.3986, 0.3810**.

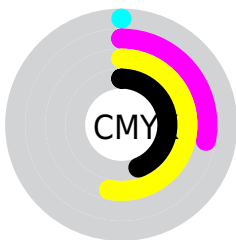
Distribution



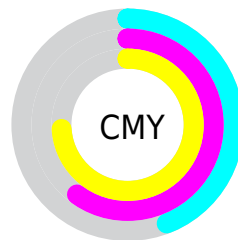
- Red (56%)
- Green (40%)
- Blue (26%)



- Red (56%)
- Yellow (53%)
- Blue (26%)



- Cyan (0%)
- Magenta (28%)
- Yellow (53%)
- Black (44%)





- Cyan (44%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0350, 0.4247, 0.3922 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 16.0350, 0.4247, 0.3922 by changing the saturation by 10% instead.


 16.0350, 0.4247,
0.3922


 16.0350, 0.4247,
0.3922


229.5482, 0.3592,
0.3579


 9.5489, 0.4445,
0.4008

 36.6590, 0.3983,
0.3794


 5.1009, 0.4719,
0.4109


 51.5656, 0.3892,
0.3747

 2.3066, 0.5292,
0.4361

 70.0479, 0.3818,
0.3707

 0.7772, 0.5742,
0.4258

 92.4903, 0.3757,
0.3673

 0.0000, 0.0000,
0.0000

 119.2771, 0.3706,
0.3645

150.7928, 0.3662,

0.3620

187.4217, 0.3625,
0.3598

■ 16.0350, 0.4247,
0.3922

■ 16.0350, 0.4247,
0.3922

■ 14.4286, 0.4525,
0.4016

■ 17.8257, 0.3986,
0.3810

■ 12.9972, 0.4807,
0.4079

■ 19.8048, 0.3747,
0.3688

■ 11.7339, 0.5078,
0.4100

■ 21.9793, 0.3533,
0.3565

■ 10.6302, 0.5320,
0.4071

■ 24.3549, 0.3345,
0.3444

■ 9.9867, 0.5471,
0.4038

■ 26.9372, 0.3180,
0.3329

■ 29.7314, 0.3036,
0.3221

■ 32.7427, 0.2911,
0.3120

■ 35.9760, 0.2802,
0.3028

■ 39.4358, 0.2708,
0.2943

Harmonies

Analogous

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



16.0350, 0.4255, 0.3479



16.0350, 0.4247, 0.3922



16.0350, 0.3922, 0.4262

Triad

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



16.0350, 0.4247, 0.3922



16.0350, 0.2368, 0.3503



16.0350, 0.2774, 0.2430

Complementary

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



16.0350, 0.4247, 0.3922



13.9232, 0.2309, 0.2530

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.



16.0350, 0.2334, 0.2379



16.0350, 0.4247, 0.3922



16.0350, 0.2117, 0.2932

Square

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



16.0350, 0.4247, 0.3922



16.0350, 0.2830, 0.4063



16.0350, 0.2107, 0.2541



16.0350, 0.3356, 0.2665

Rectangle

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



16.0350, 0.4247, 0.3922



16.0350, 0.3587, 0.4357



16.0350, 0.2107, 0.2541



16.0350, 0.2607, 0.2391

Sweetspot

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



16.0358, 0.4247, 0.3922



41.7326, 0.3396, 0.3478



11.0241, 0.3796, 0.2581



9.3931, 0.3429, 0.3500



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.0358, 0.4247, 0.3922



24.9671, 0.4576, 0.4030



25.5101, 0.3900, 0.4501



5.8140, 0.3271, 0.3393



8.7436, 0.5462, 0.4045



0.1271, 0.4823, 0.4553

Inverse Universe

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



13.9232, 0.2309, 0.2530



20.8212, 0.2147, 0.2324



7.5292, 0.2143, 0.1697



5.7003, 0.2990, 0.3185



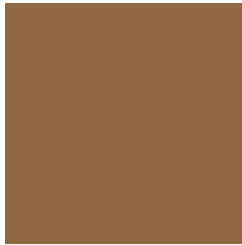
6.3783, 0.1813, 0.1727



0.1051, 0.2018, 0.2464

Previews

White Background



This preview shows how the Yxy color 16.0350, 0.4247, 0.3922 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 16.0350, 0.4247, 0.3922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

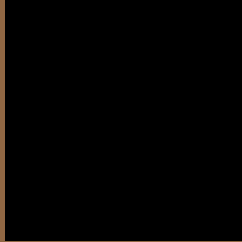
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0350, 0.4247, 0.3922

Background



This preview shows how black text looks on a background with the Yxy color 16.0350, 0.4247, 0.3922.



This preview shows how white text looks on a background with the Yxy color 16.0350, 0.4247, 0.3922.

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

16.0350, 0.4247, 0.3922

Protanopia

16.1681, 0.3805, 0.4122

Deuteranopia

16.1430, 0.4104, 0.4041



Tritanopia

15.9790, 0.3748, 0.3152

Trichromacy



Original Color

16.0350, 0.4247, 0.3922

Protanomaly

16.1128, 0.3960, 0.4051

Deuteranomaly

16.1904, 0.4158, 0.4011

Tritanomaly

15.9980, 0.3937, 0.3434

Monochromacy



Original Color

16.0350, 0.4247, 0.3922

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.7623, 0.3512, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0350, 0.4247, 0.3922 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(144, 103, 67)` looks like.

```
.text, #text, p{  
    color:rgb(144, 103, 67)  
}
```

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(144, 103, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 103, 67) }
```

Border

The CSS property to change the border of an element to Yxy 16.0350, 0.4247, 0.3922 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(144, 103, 67) }
```

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

```
.border{ border-color:rgb(144, 103, 67) }
```

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

Here you see how a box with a 4 pixel rgb(144, 103, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 103, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 103, 67);  
box-shadow:4px 4px 4px 4px rgb(144, 103,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0350, 0.4247, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 103, 67) }
```

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

```
.background{ background-color: rgb(144,  
103, 67) }
```

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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