

Converting Colors

$Y_{xy}(15.9920, 0.4707, 0.4369)$

Have a look what the booklet for
Yxy(15.9920, 0.4707, 0.4369)
contains.

Yxy(16.0901, 0.4699, 0.4371)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.0901, 0.4699, 0.4371)

Conversions

Conversions Part 1

Format	Color
Hex	94671E
RGB	148, 103, 30
RGB Percent	58%, 40%, 12%
CMY	0.4196, 0.5961, 0.8823
CMYK	0.00, 0.30, 0.80, 0.42
HSL	37°, 66%, 35%
HSV	37°, 80%, 58%
XYZ	17.2975, 16.0901, 3.4234
YIQ	108.1330, 50.2530, -13.1630

Conversions

Conversions Part 2

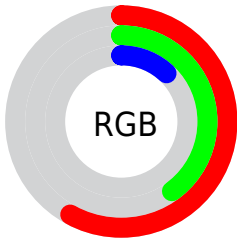
Format	Color
RYB	103, 148, 30
Decimal	9725726
CIELab	47.09, 11.40, 45.66
CIELCh	47, 47.057, 75.984
Yxy	16.0901, 0.4699, 0.4371
Android (android.graphics.Color)	4287915806 (0xFF94671E)
YUV	108.1330, -38.5196, 34.9634
Hunter-Lab	40.1125, 6.7769, 23.0186

Details

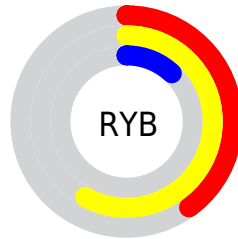
The Yxy color **16.0901, 0.4699, 0.4371** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4486, 0.1872, 0.1660**, and the grayscale version is **15.1362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8122, 0.4373, 0.4186**, and **5.1555, 0.5038, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **14.9469, 0.4881, 0.4393**, and if you desaturate by 10%, it is **17.3463, 0.4493, 0.4302**.

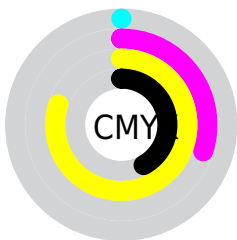
Distribution



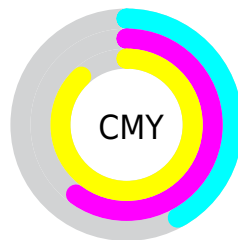
- Red (58%)
- Green (40%)
- Blue (12%)



- Red (40%)
- Yellow (58%)
- Blue (12%)



- Cyan (0%)
- Magenta (30%)
- Yellow (80%)
- Black (42%)





- Cyan (42%)
- Magenta (60%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0901, 0.4699, 0.4371 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 16.0901, 0.4699, 0.4371 by changing the saturation by 10% instead.


 16.0901, 0.4699,
0.4371


 16.0901, 0.4699,
0.4371


229.8728, 0.3824,
0.3822


 9.5879, 0.4916,
0.4471


 36.7546, 0.4371,
0.4187

 5.1266, 0.5284,
0.4650

 51.6856, 0.4250,
0.4111

 2.3217, 0.5448,
0.4552

 70.1951, 0.4148,
0.4045

 0.7852, 0.5693,
0.4307

 92.6674, 0.4062,
0.3988

 0.0000, 0.0000,
0.0000

 119.4870, 0.3989,
0.3938

 151.0381, 0.3926,

0.3894

187.7053, 0.3872,
0.3856

16.0901, 0.4699,
0.4371

16.0901, 0.4699,
0.4371

14.9469, 0.4881,
0.4393

17.3463, 0.4493,
0.4302

13.9017, 0.5042,
0.4376

18.7188, 0.4274,
0.4195

13.8732, 0.5046,
0.4375

20.2137, 0.4052,
0.4061

21.8357, 0.3837,
0.3910

23.5891, 0.3634,
0.3750

■ 25.4779, 0.3447,
0.3590

■ 27.5061, 0.3276,
0.3435

■ 29.6771, 0.3123,
0.3286

■ 31.9946, 0.2986,
0.3146

Harmonies

Analogous

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



16.0901, 0.4963, 0.3714



16.0901, 0.4699, 0.4371



16.0901, 0.4028, 0.4907

Triad

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



16.0901, 0.4699, 0.4371



16.0901, 0.1790, 0.3250



16.0901, 0.2847, 0.2107

Complementary

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



16.0901, 0.4699, 0.4371



7.4486, 0.1872, 0.1660

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.



16.0901, 0.2109, 0.1929



16.0901, 0.4699, 0.4371



16.0901, 0.1578, 0.2438

Square

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



16.0901, 0.4699, 0.4371



16.0901, 0.2352, 0.4294



16.0901, 0.1688, 0.2020



16.0901, 0.3802, 0.2511

Rectangle

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



16.0901, 0.4699, 0.4371



16.0901, 0.3466, 0.5030



16.0901, 0.1688, 0.2020



16.0901, 0.2567, 0.2020

Sweetspot

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



16.0909, 0.4699, 0.4371



43.3374, 0.3534, 0.3666



7.7367, 0.4787, 0.2654



9.6479, 0.3596, 0.3719



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.0909, 0.4699, 0.4371



24.8557, 0.5007, 0.4374



26.3612, 0.3958, 0.5042



6.3768, 0.3268, 0.3427



11.9036, 0.5040, 0.4381



0.2028, 0.4586, 0.4741

Inverse Universe

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



7.4486, 0.1872, 0.1660



9.2243, 0.1698, 0.1281



3.5983, 0.1763, 0.0928



5.9739, 0.2989, 0.3149



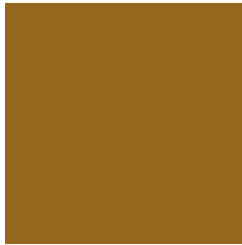
4.3287, 0.1681, 0.1251



0.1068, 0.1911, 0.2081

Previews

White Background



This preview shows how the Yxy color 16.0901, 0.4699, 0.4371 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 16.0901, 0.4699, 0.4371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

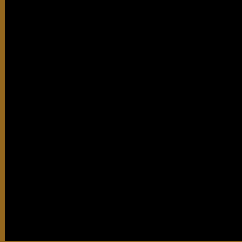
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0901, 0.4699, 0.4371

Background



This preview shows how black text looks on a background with the Yxy color 16.0901, 0.4699, 0.4371.



This preview shows how white text looks on a background with the Yxy color 16.0901, 0.4699, 0.4371.

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

16.0901, 0.4699, 0.4371

Protanopia

16.1282, 0.4250, 0.4676

Deuteranopia

16.0595, 0.4567, 0.4483



Tritanopia

16.0204, 0.3878, 0.3173

Trichromacy



Original Color

16.0901, 0.4699, 0.4371

Protanomaly

16.1045, 0.4412, 0.4570

Deuteranomaly

16.1212, 0.4623, 0.4443

Tritanomaly

16.0248, 0.4259, 0.3683

Monochromacy



Original Color

16.0901, 0.4699, 0.4371

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.0982, 0.3730, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0901, 0.4699, 0.4371 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(148, 103, 30)` looks like.

```
.text, #text, p{  
    color:rgb(148, 103, 30)  
}
```

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(148, 103, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 103, 30) }
```

Border

The CSS property to change the border of an element to Yxy 16.0901, 0.4699, 0.4371 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(148, 103, 30) }
```

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

```
.border{ border-color:rgb(148, 103, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 103, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 103, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 103, 30);  
box-shadow:4px 4px 4px 4px rgb(148, 103,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0901, 0.4699, 0.4371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 103, 30) }
```

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

```
.background{ background-color: rgb(148,  
103, 30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor