

Converting Colors

$Yxy(18.6649, 0.4633, 0.4703)$

Have a look what the booklet for
Yxy(18.6649, 0.4633, 0.4703)
contains.

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Color

Yxy(18.7867, 0.4626, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	947400
RGB	148, 116, 0
RGB Percent	58%, 45%, 0%
CMY	0.4197, 0.5451, 1.0000
CMYK	0.00, 0.22, 1.00, 0.42
HSL	47°, 100%, 29%
HSV	47°, 100%, 58%
XYZ	18.4556, 18.7867, 2.6530
YIQ	112.3440, 56.3080, -29.2920

Conversions

Conversions Part 2

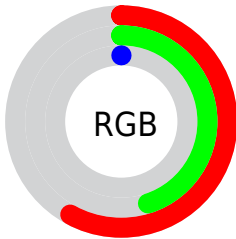
Format	Color
RYB	41, 148, 0
Decimal	9729024
CIELab	50.44, 3.17, 56.56
CIELCh	50, 56.653, 86.793
Yxy	18.7867, 0.4626, 0.4709
Android (android.graphics.Color)	4287919104 (0xFF947400)
YUV	112.3440, -55.3856, 31.2703
Hunter-Lab	43.3436, 0.1533, 26.7114

Details

The Yxy color **18.7867, 0.4626, 0.4709** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.1689, 0.1569, 0.0849**, and the grayscale version is **16.4637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4972, 0.4360, 0.4481**, and **6.4614, 0.4720, 0.4634** is the 20% darker color. If you saturate the color by 10%, you get **18.7876, 0.4626, 0.4709**, and if you desaturate by 10%, it is **19.5714, 0.4535, 0.4692**.

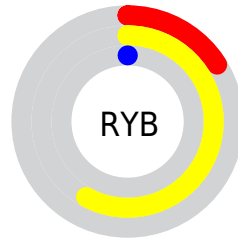
Distribution



Red (58%)

Green (45%)

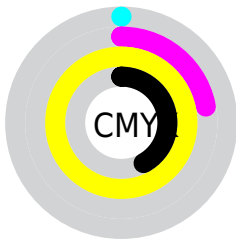
Blue (0%)



Red (16%)

Yellow (58%)

Blue (0%)

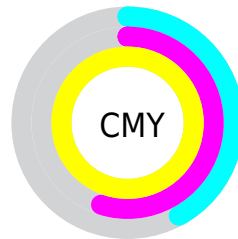


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7867, 0.4626, 0.4709 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 18.7867, 0.4626, 0.4709 by changing the saturation by 10% instead.

18.7867, 0.4626,
0.4709

18.7867, 0.4626,
0.4709

245.2687, 0.3854,
0.3998

11.5163, 0.4778,
0.4836

41.3734, 0.4362,
0.4474

6.4152, 0.4991,
0.5009

57.4584, 0.4255,
0.4376

3.0992, 0.5023,
0.4977

77.2503, 0.4163,
0.4290

1.1837, 0.5079,
0.4921

101.1337, 0.4083,
0.4216


0.0483, 0.7184,
0.2816

129.4928, 0.4014,
0.4151

0.0000, 0.0000,
0.0000


162.7121, 0.3954,


0.4093

 201.1759, 0.3901,
0.4043

 18.7867, 0.4626,
0.4709


 18.7867, 0.4626,
0.4709


 18.7876, 0.4626,
0.4709

 19.5714, 0.4535,
0.4692

 20.4047, 0.4423,
0.4641

 21.2992, 0.4286,
0.4546

 22.2596, 0.4128,
0.4412

 23.2899, 0.3958,
0.4249

■ 24.3937, 0.3782,
0.4065

■ 25.5743, 0.3607,
0.3871

■ 26.8346, 0.3437,
0.3673

■ 28.1774, 0.3277,
0.3478

Harmonies

Analogous

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



18.7867, 0.5149, 0.3979



18.7867, 0.4626, 0.4709



18.7867, 0.3764, 0.5241

Triad

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



18.7867, 0.4626, 0.4709



18.7867, 0.1507, 0.2839



18.7867, 0.3175, 0.2110

Complementary

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



18.7867, 0.4626, 0.4709



3.1689, 0.1569, 0.0849

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.



18.7867, 0.2237, 0.1822



18.7867, 0.4626, 0.4709



18.7867, 0.1418, 0.2105

Square

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



18.7867, 0.4626, 0.4709



18.7867, 0.1971, 0.4013



18.7867, 0.1657, 0.1802



18.7867, 0.4280, 0.2622

Rectangle

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



18.7867, 0.4626, 0.4709



18.7867, 0.3118, 0.5234



18.7867, 0.1657, 0.1802



18.7867, 0.2828, 0.1986

Sweetspot

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



18.7876, 0.4626, 0.4709



45.0087, 0.3617, 0.3882



6.3987, 0.5990, 0.3074



10.0893, 0.3684, 0.3958



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.



18.7876, 0.4626, 0.4709



32.9003, 0.4636, 0.4701



24.2412, 0.3709, 0.5437



6.5342, 0.3264, 0.3462



16.0928, 0.4623, 0.4712



0.2394, 0.4388, 0.4898

Inverse Universe

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



3.1689, 0.1569, 0.0849



5.3805, 0.1561, 0.0821



2.6282, 0.1697, 0.0708



5.8241, 0.2989, 0.3111



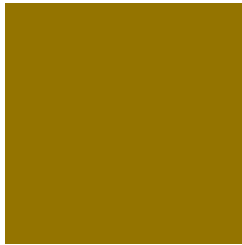
2.7421, 0.1572, 0.0858



0.0702, 0.1765, 0.1552

Previews

White Background



This preview shows how the Yxy color 18.7867, 0.4626, 0.4709 looks on a white background.

Color Contrast Check

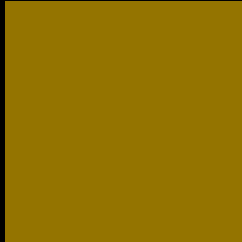
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Xy color 18.7867, 0.4626, 0.4709 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 18.7867, 0.4626, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 18.7867, 0.4626, 0.4709.



This preview shows how white text looks on a background with the Yxy color 18.7867, 0.4626, 0.4709.

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

18.7867, 0.4626, 0.4709

Protanopia

18.9243, 0.4377, 0.4864

Deuteranopia

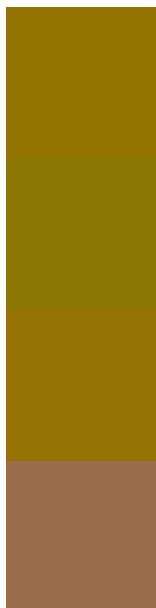
18.7276, 0.4685, 0.4615



Tritanopia

18.8561, 0.3658, 0.3158

Trichromacy



Original Color

18.7867, 0.4626, 0.4709

Protanomaly

18.7779, 0.4467, 0.4811

Deuteranomaly

18.8517, 0.4665, 0.4648

Tritanomaly

18.5387, 0.4190, 0.3910

Monochromacy



Original Color

18.7867, 0.4626, 0.4709

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6252, 0.3829, 0.4107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7867, 0.4626, 0.4709 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, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 116, 0)  
}
```

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, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 116, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.7867, 0.4626, 0.4709 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, 116, 0) }
```

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

```
.border{ border-color:rgb(148, 116, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 116, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 116,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7867, 0.4626, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 116, 0) }
```

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

```
.background{ background-color: rgb(148,  
116, 0) }
```

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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