

Converting Colors

$Y_{xy}(16.1654, 0.4624, 0.4710)$

Have a look what the booklet for
Yxy(16.1654, 0.4624, 0.4710)
contains.

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Color

Yxy(16.1284, 0.4626, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	8A6C00
RGB	138, 108, 0
RGB Percent	54%, 42%, 0%
CMY	0.4588, 0.5765, 1.0000
CMYK	0.00, 0.22, 1.00, 0.46
HSL	47°, 100%, 27%
HSV	47°, 100%, 54%
XYZ	15.8441, 16.1284, 2.2776
YIQ	104.6580, 52.5480, -27.2280

Conversions

Conversions Part 2

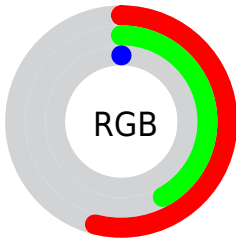
Format	Color
RYB	38, 138, 0
Decimal	9071616
CIELab	47.14, 3.01, 53.76
CIElCh	47, 53.844, 86.793
Yxy	16.1284, 0.4626, 0.4709
Android (android.graphics.Color)	4287261696 (0xFF8A6C00)
YUV	104.6580, -51.5964, 29.2409
Hunter-Lab	40.1602, 0.1421, 24.7496

Details

The Yxy color **16.1284, 0.4626, 0.4709** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.7636, 0.1572, 0.0860**, and the grayscale version is **14.1612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7462, 0.4348, 0.4466**, and **5.1765, 0.4702, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **16.1292, 0.4626, 0.4709**, and if you desaturate by 10%, it is **16.8041, 0.4532, 0.4688**.

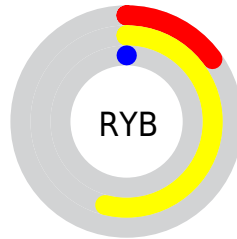
Distribution



Red (54%)

Green (42%)

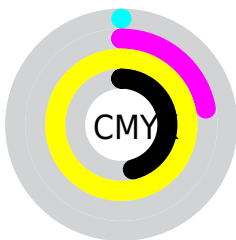
Blue (0%)



Red (15%)

Yellow (54%)

Blue (0%)

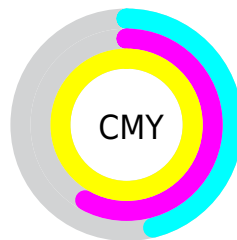


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1284, 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 16.1284, 0.4626, 0.4709 by changing the saturation by 10% instead.

■ 16.1284, 0.4626,
0.4709

■ 16.1284, 0.4626,
0.4709

■ 230.0982, 0.3833,
0.3978

■ 9.6151, 0.4791,
0.4847

■ 36.8210, 0.4350,
0.4463

■ 5.1445, 0.4994,
0.5006

■ 51.7690, 0.4240,
0.4362

■ 2.3323, 0.5029,
0.4971

■ 70.2973, 0.4145,
0.4274

■ 0.7907, 0.5106,
0.4894

■ 92.7905, 0.4064,
0.4198

■ 0.0000, 0.0000,
0.0000

■ 119.6327, 0.3994,
0.4132


■ 151.2085, 0.3934,

0.4074


 187.9022, 0.3880,
0.4023

 16.1284, 0.4626,
0.4709


 16.1284, 0.4626,
0.4709


 16.1292, 0.4626,
0.4709

 16.8041, 0.4532,
0.4688

 17.5207, 0.4419,
0.4635

 18.2896, 0.4281,
0.4539

 19.1149, 0.4123,
0.4405

 19.9998, 0.3953,
0.4242

■ 20.9474, 0.3778,
0.4059

■ 21.9604, 0.3604,
0.3866

■ 23.0413, 0.3435,
0.3670

■ 24.1925, 0.3276,
0.3476

Harmonies

Analogous

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



16.1284, 0.5149, 0.3979



16.1284, 0.4626, 0.4709



16.1284, 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.



16.1284, 0.4626, 0.4709



16.1284, 0.1507, 0.2839



16.1284, 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.



16.1284, 0.4626, 0.4709



2.7636, 0.1572, 0.0860

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.



16.1284, 0.2237, 0.1822



16.1284, 0.4626, 0.4709



16.1284, 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.



16.1284, 0.4626, 0.4709



16.1284, 0.1971, 0.4013



16.1284, 0.1657, 0.1802



16.1284, 0.4280, 0.2622

Rectangle

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



16.1284, 0.4626, 0.4709



16.1284, 0.3118, 0.5234



16.1284, 0.1657, 0.1802



16.1284, 0.2828, 0.1986

Sweetspot

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



16.1292, 0.4626, 0.4709



38.5894, 0.3615, 0.3879



5.5089, 0.5926, 0.3038



8.5075, 0.3678, 0.3949



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.1292, 0.4626, 0.4709



28.1919, 0.4637, 0.4700



20.9561, 0.3740, 0.5413



5.6636, 0.3263, 0.3460



14.8094, 0.4624, 0.4710



0.1196, 0.4389, 0.4897

Inverse Universe

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



2.7636, 0.1572, 0.0860



4.6726, 0.1564, 0.0830



2.2247, 0.1682, 0.0700



5.0572, 0.2991, 0.3114



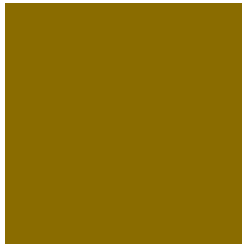
2.5526, 0.1574, 0.0866



0.0352, 0.1766, 0.1557

Previews

White Background



This preview shows how the Yxy color 16.1284, 0.4626, 0.4709 looks on a white background.

Color Contrast Check

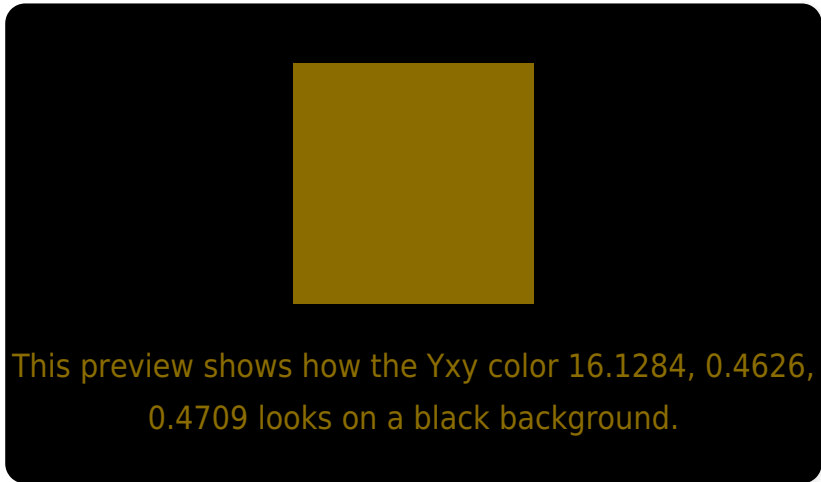
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.1284, 0.4626, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 16.1284, 0.4626, 0.4709.

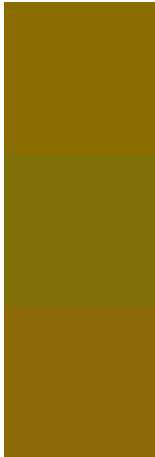


This preview shows how white text looks on a background with the Yxy color 16.1284, 0.4626, 0.4709.

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

16.1284, 0.4626, 0.4709

Protanopia

16.1157, 0.4387, 0.4848

Deuteranopia

16.0764, 0.4686, 0.4606



Tritanopia

16.0367, 0.3650, 0.3149

Trichromacy



Original Color

16.1284, 0.4626, 0.4709

Protanomaly

16.2029, 0.4468, 0.4805

Deuteranomaly

16.1891, 0.4666, 0.4643

Tritanomaly

15.7929, 0.4176, 0.3901

Monochromacy



Original Color

16.1284, 0.4626, 0.4709

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.4952, 0.3815, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1284, 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(138, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 108, 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(138, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.1284, 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(138, 108, 0) }
```

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

```
.border{ border-color:rgb(138, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 108,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1284, 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(138, 108, 0) }
```

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

```
.background{ background-color: rgb(138,  
108, 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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