

Converting Colors

$Y_{xy}(11.6316, 0.4616, 0.4717)$

Have a look what the booklet for
Yxy(11.6316, 0.4616, 0.4717)
contains.

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Color

Yxy(11.6803, 0.4606, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	765D00
RGB	118, 93, 0
RGB Percent	46%, 36%, 0%
CMY	0.5372, 0.6353, 1.0000
CMYK	0.00, 0.21, 1.00, 0.54
HSL	47°, 100%, 23%
HSV	47°, 100%, 46%
XYZ	11.3861, 11.6803, 1.6538
YIQ	89.8730, 44.7530, -23.6230

Conversions

Conversions Part 2

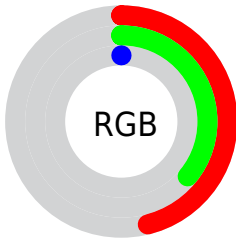
Format	Color
RYB	32, 118, 0
Decimal	7757056
CIELab	40.70, 2.07, 48.23
CIELCh	41, 48.279, 87.544
Yxy	11.6803, 0.4606, 0.4725
Android (android.graphics.Color)	4285947136 (0xFF765D00)
YUV	89.8730, -44.3074, 24.6674
Hunter-Lab	34.1765, -0.3402, 21.0545

Details

The Yxy color **11.6803, 0.4606, 0.4725** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0036, 0.1576, 0.0873**, and the grayscale version is **10.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9491, 0.4307, 0.4447**, and **3.2377, 0.4672, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **11.6809, 0.4606, 0.4725**, and if you desaturate by 10%, it is **12.1531, 0.4508, 0.4692**.

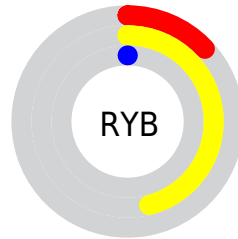
Distribution



Red (46%)

Green (36%)

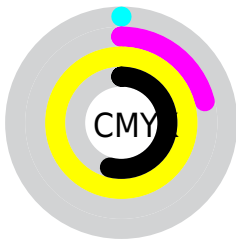
Blue (0%)



Red (13%)

Yellow (46%)

Blue (0%)

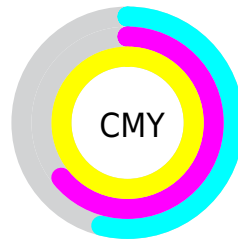


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6803, 0.4606, 0.4725 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 11.6803, 0.4606, 0.4725 by changing the saturation by 10% instead.


 11.6803, 0.4606,
0.4725


 11.6803, 0.4606,
0.4725


 202.2772, 0.3783,
0.3942

 6.5264, 0.4827,
0.4925


 28.9115, 0.4309,
0.4449


 3.1677, 0.4970,
0.5030

 41.7575, 0.4193,
0.4339

 1.2199, 0.5007,
0.4993

 57.9364, 0.4095,
0.4245

 0.0779, 0.6153,
0.3847

 77.8325, 0.4013,
0.4165


 0.0000, 0.0000,
0.0000


 101.8303, 0.3942,
0.4097


 130.3140, 0.3882,


0.4038


 163.6682, 0.3829,
0.3987


 11.6803, 0.4606,
0.4725

 11.6803, 0.4606,
0.4725

 11.6809, 0.4606,
0.4725

 12.1531, 0.4508,
0.4692

 12.6521, 0.4395,
0.4634

 13.1868, 0.4258,
0.4533

 13.7600, 0.4104,
0.4398

 14.3738, 0.3937,
0.4234

■ 15.0304, 0.3765,
0.4052

■ 15.7314, 0.3595,
0.3861

■ 16.4788, 0.3430,
0.3666

■ 17.2739, 0.3273,
0.3475

Harmonies

Analogous

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



11.6803, 0.5140, 0.3997



11.6803, 0.4606, 0.4725



11.6803, 0.3740, 0.5245

Triad

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



11.6803, 0.4606, 0.4725



11.6803, 0.1502, 0.2816



11.6803, 0.3202, 0.2122

Complementary

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



11.6803, 0.4606, 0.4725



2.0036, 0.1576, 0.0873

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.



11.6803, 0.2258, 0.1827



11.6803, 0.4606, 0.4725



11.6803, 0.1422, 0.2094

Square

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



11.6803, 0.4606, 0.4725



11.6803, 0.1956, 0.3980



11.6803, 0.1669, 0.1801



11.6803, 0.4304, 0.2638

Rectangle

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



11.6803, 0.4606, 0.4725



11.6803, 0.3094, 0.5222



11.6803, 0.1669, 0.1801



11.6803, 0.2853, 0.1996

Sweetspot

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



11.6809, 0.4606, 0.4725



27.5633, 0.3608, 0.3875



3.9246, 0.5940, 0.3046



6.2424, 0.3663, 0.3939



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



11.6809, 0.4606, 0.4725



20.3453, 0.4618, 0.4715



14.8695, 0.3719, 0.5429



4.1409, 0.3259, 0.3456



12.6176, 0.4608, 0.4723



60.2145, 0.4634, 0.4702

Inverse Universe

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



2.0036, 0.1576, 0.0873



3.3557, 0.1566, 0.0837



1.6387, 0.1715, 0.0719



3.7041, 0.2995, 0.3118



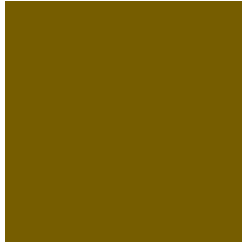
2.1510, 0.1574, 0.0867



9.4377, 0.1553, 0.0792

Previews

White Background



This preview shows how the Yxy color 11.6803, 0.4606, 0.4725 looks on a white background.

Color Contrast Check

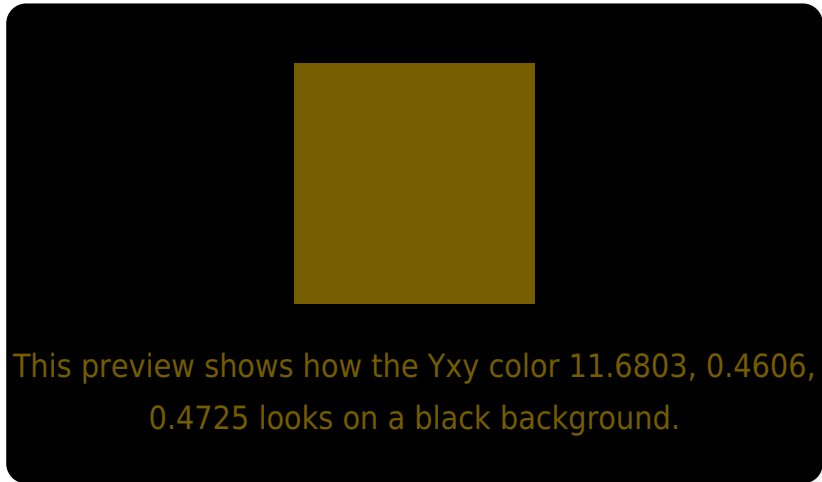
Large Text (above 18pt) WCAG AA ✓ Pass

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

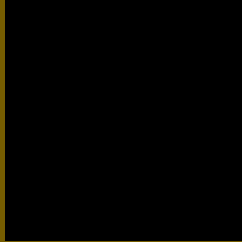
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6803, 0.4606, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 11.6803, 0.4606, 0.4725.



This preview shows how white text looks on a background with the Yxy color 11.6803, 0.4606, 0.4725.

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

11.6803, 0.4606, 0.4725

Protanopia

11.8137, 0.4364, 0.4857

Deuteranopia

11.6351, 0.4673, 0.4605



Tritanopia

11.6568, 0.3639, 0.3148

Trichromacy



Original Color

11.6803, 0.4606, 0.4725

Protanomaly

11.8193, 0.4438, 0.4819

Deuteranomaly

11.7280, 0.4652, 0.4650

Tritanomaly

11.5255, 0.4153, 0.3908

Monochromacy



Original Color

11.6803, 0.4606, 0.4725

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.4869, 0.3802, 0.4096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6803, 0.4606, 0.4725 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(118, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 93, 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(118, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6803, 0.4606, 0.4725 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(118, 93, 0) }
```

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

```
.border{ border-color:rgb(118, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(118, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6803, 0.4606, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 93, 0) }
```

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

```
.background{ background-color: rgb(118, 93,  
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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