

Converting Colors

$Y_{xy}(11.8223, 0.4903, 0.5097)$

Have a look what the booklet for
Yxy(11.8223, 0.4903, 0.5097)
contains.

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Color

Yxy(11.9985, 0.4617, 0.4716)

Conversions

Conversions Part 1

Format	Color
Hex	785E00
RGB	120, 94, 0
RGB Percent	47%, 37%, 0%
CMY	0.5295, 0.6313, 1.0000
CMYK	0.00, 0.22, 1.00, 0.53
HSL	47°, 100%, 24%
HSV	47°, 100%, 47%
XYZ	11.7466, 11.9985, 1.6970
YIQ	91.0580, 45.6700, -23.7220

Conversions

Conversions Part 2

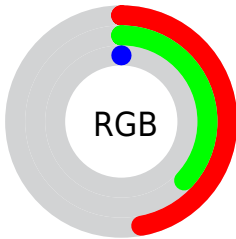
Format	Color
RYB	33, 120, 0
Decimal	7888384
CIELab	41.21, 2.44, 48.69
CIELCh	41, 48.748, 87.126
Yxy	11.9985, 0.4617, 0.4716
Android (android.graphics.Color)	4286078464 (0xFF785E00)
YUV	91.0580, -44.8916, 25.3821
Hunter-Lab	34.6389, -0.0856, 21.3425

Details

The Yxy color **11.9985, 0.4617, 0.4716** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0936, 0.1578, 0.0879**, and the grayscale version is **10.5724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4821, 0.4319, 0.4446**, and **3.3072, 0.4723, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **11.9987, 0.4617, 0.4716**, and if you desaturate by 10%, it is **12.4954, 0.4518, 0.4685**.

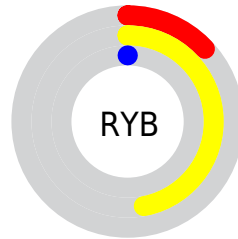
Distribution



Red (47%)

Green (37%)

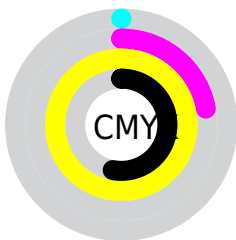
Blue (0%)



Red (13%)

Yellow (47%)

Blue (0%)

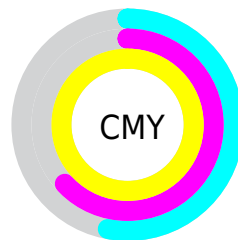


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9985, 0.4617, 0.4716 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 11.9985, 0.4617, 0.4716 by changing the saturation by 10% instead.


 11.9985, 0.4617,
0.4716


 11.9985, 0.4617,
0.4716


 204.3954, 0.3791,
0.3943


 6.7427, 0.4833,
0.4906


 29.4924, 0.4319,
0.4446

 3.3017, 0.4986,
0.5014

 42.4992, 0.4203,
0.4337


 1.2912, 0.5028,
0.4972

 58.8585, 0.4105,
0.4244

 0.1344, 0.5824,
0.4176

 78.9546, 0.4022,
0.4165


 0.0000, 0.0000,
0.0000


 103.1719, 0.3951,
0.4097


 131.8949, 0.3890,

0.4039


 165.5079, 0.3837,
0.3988


 11.9985, 0.4617,
0.4716


 11.9985, 0.4617,
0.4716


 11.9987, 0.4617,
0.4716

 12.4954, 0.4518,
0.4685

 13.0204, 0.4404,
0.4628

 13.5832, 0.4265,
0.4529

 14.1865, 0.4109,
0.4394

 14.8328, 0.3941,
0.4231

■ 15.5242, 0.3768,
0.4050

■ 16.2625, 0.3597,
0.3858

■ 17.0496, 0.3431,
0.3665

■ 17.8872, 0.3273,
0.3474

Harmonies

Analogous

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



11.9985, 0.5144, 0.3987



11.9985, 0.4617, 0.4716



11.9985, 0.3754, 0.5243

Triad

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



11.9985, 0.4617, 0.4716



11.9985, 0.1505, 0.2829



11.9985, 0.3187, 0.2115

Complementary

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



11.9985, 0.4617, 0.4716



2.0936, 0.1578, 0.0879

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.



11.9985, 0.2246, 0.1824



11.9985, 0.4617, 0.4716



11.9985, 0.1420, 0.2100

Square

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



11.9985, 0.4617, 0.4716



11.9985, 0.1964, 0.3998



11.9985, 0.1662, 0.1802



11.9985, 0.4290, 0.2629

Rectangle

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



11.9985, 0.4617, 0.4716



11.9985, 0.3107, 0.5228



11.9985, 0.1662, 0.1802



11.9985, 0.2839, 0.1990

Sweetspot

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



11.9991, 0.4617, 0.4716



28.5128, 0.3609, 0.3873



4.0666, 0.5944, 0.3048



6.6504, 0.3667, 0.3939



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



11.9991, 0.4617, 0.4716



20.9120, 0.4629, 0.4706



15.4065, 0.3718, 0.5429



4.4937, 0.3260, 0.3457



13.0731, 0.4619, 0.4714



61.0767, 0.4646, 0.4693

Inverse Universe

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



2.0936, 0.1578, 0.0879



3.5105, 0.1568, 0.0843



1.6960, 0.1714, 0.0718



4.0213, 0.2994, 0.3118



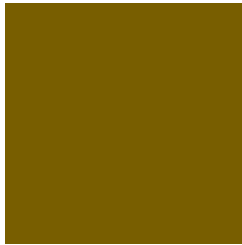
2.2655, 0.1576, 0.0873



9.7560, 0.1555, 0.0799

Previews

White Background



This preview shows how the Yxy color 11.9985, 0.4617, 0.4716 looks on a white background.

Color Contrast Check

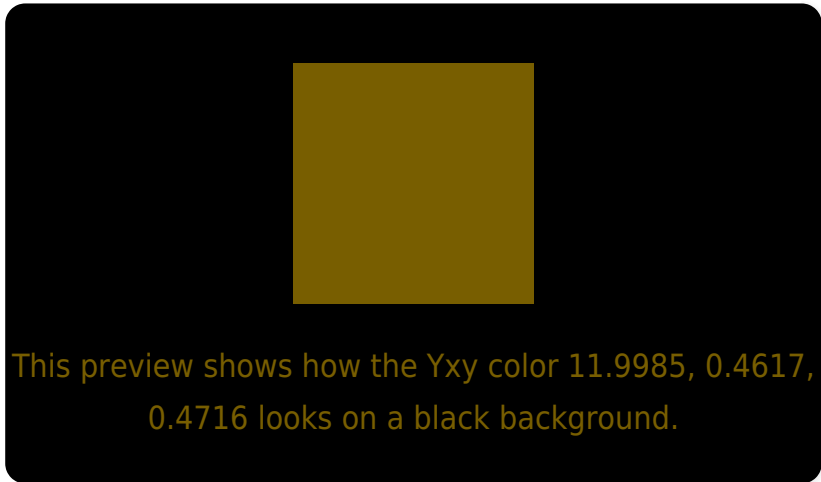
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9985, 0.4617, 0.4716

Background



This preview shows how black text looks on a background with the Yxy color 11.9985, 0.4617, 0.4716.



This preview shows how white text looks on a background with the Yxy color 11.9985, 0.4617, 0.4716.

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

11.9985, 0.4617, 0.4716

Protanopia

12.0635, 0.4363, 0.4860

Deuteranopia

12.0550, 0.4650, 0.4625



Tritanopia

11.9845, 0.3650, 0.3150

Trichromacy



Original Color

11.9985, 0.4617, 0.4716

Protanomaly

12.1356, 0.4452, 0.4809

Deuteranomaly

11.9750, 0.4649, 0.4654

Tritanomaly

11.8495, 0.4160, 0.3900

Monochromacy



Original Color

11.9985, 0.4617, 0.4716

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.7846, 0.3813, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9985, 0.4617, 0.4716 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(120, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 94, 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(120, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9985, 0.4617, 0.4716 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(120, 94, 0) }
```

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

```
.border{ border-color:rgb(120, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9985, 0.4617, 0.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 94, 0) }
```

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

```
.background{ background-color: rgb(120, 94,  
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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