

Converting Colors

$Y_{xy}(15.1264, 0.4740, 0.4618)$

Have a look what the booklet for
Yxy(15.1264, 0.4740, 0.4618)
contains.

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Color

Yxy(14.9917, 0.4742, 0.4617)

Conversions

Conversions Part 1

Format	Color
Hex	8B6600
RGB	139, 102, 0
RGB Percent	55%, 40%, 0%
CMY	0.4549, 0.6000, 1.0000
CMYK	0.00, 0.27, 1.00, 0.45
HSL	44°, 100%, 27%
HSV	44°, 100%, 55%
XYZ	15.3976, 14.9917, 2.0814
YIQ	101.4350, 54.7940, -23.8780

Conversions

Conversions Part 2

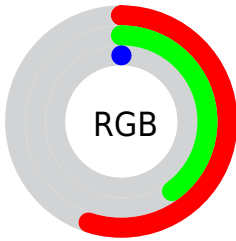
Format	Color
R_{YB}	50, 139, 0
Decimal	9135616
CIE Lab	45.62, 6.95, 52.77
CIE LCh	46, 53.226, 82.495
Yxy	14.9917, 0.4742, 0.4617
Android (android.graphics.Color)	4287325696 (0xFF8B6600)
YUV	101.4350, -50.0075, 32.9445
Hunter-Lab	38.7191, 3.2263, 23.9162

Details

The Yxy color **14.9917, 0.4742, 0.4617** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.1858, 0.1600, 0.0958**, and the grayscale version is **13.2544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9897, 0.4432, 0.4398**, and **4.7132, 0.4863, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **14.9925, 0.4742, 0.4617**, and if you desaturate by 10%, it is **15.7672, 0.4629, 0.4606**.

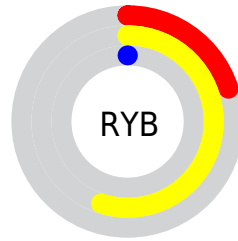
Distribution



Red (55%)

Green (40%)

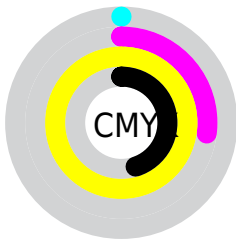
Blue (0%)



Red (20%)

Yellow (55%)

Blue (0%)

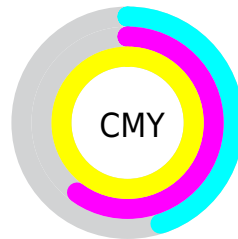


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9917, 0.4742, 0.4617 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 14.9917, 0.4742, 0.4617 by changing the saturation by 10% instead.


 14.9917, 0.4742,
0.4617


 14.9917, 0.4742,
0.4617


223.3160, 0.3871,
0.3945


 8.8136, 0.4938,
0.4737

 34.8386, 0.4433,
0.4398


 4.6198, 0.5158,
0.4842

 49.2762, 0.4311,
0.4305

 2.0259, 0.5246,
0.4754

 67.2357, 0.4208,
0.4223

 0.6225, 0.5502,
0.4498


 89.1015, 0.4120,
0.4152


 0.0000, 0.0000,
0.0000

 115.2581, 0.4044,
0.4090


 146.0897, 0.3978,


0.4035


 181.9809, 0.3921,
0.3988


 14.9917, 0.4742,
0.4617


 14.9917, 0.4742,
0.4617

 14.9925, 0.4742,
0.4617

 15.7672, 0.4629,
0.4606

 16.5948, 0.4498,
0.4561

 17.4864, 0.4341,
0.4472

 18.4460, 0.4167,
0.4345

 19.4773, 0.3982,
0.4190

■ 20.5836, 0.3796,
0.4016

■ 21.7678, 0.3614,
0.3833

■ 23.0327, 0.3440,
0.3647

■ 24.3807, 0.3277,
0.3465

Harmonies

Analogous

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



14.9917, 0.5202, 0.3875



14.9917, 0.4742, 0.4617



14.9917, 0.3903, 0.5217

Triad

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



14.9917, 0.4742, 0.4617



14.9917, 0.1532, 0.2979



14.9917, 0.3020, 0.2041

Complementary

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



14.9917, 0.4742, 0.4617



3.1858, 0.1600, 0.0958

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.



14.9917, 0.2120, 0.1787



14.9917, 0.4742, 0.4617



14.9917, 0.1394, 0.2167

Square

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



14.9917, 0.4742, 0.4617



14.9917, 0.2057, 0.4206



14.9917, 0.1588, 0.1809



14.9917, 0.4140, 0.2529

Rectangle

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



14.9917, 0.4742, 0.4617



14.9917, 0.3255, 0.5298



14.9917, 0.1588, 0.1809



14.9917, 0.2682, 0.1928

Sweetspot

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



14.9925, 0.4742, 0.4617



38.8456, 0.3625, 0.3845



5.6221, 0.5821, 0.2980



8.7658, 0.3693, 0.3914



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



14.9925, 0.4742, 0.4617



26.5711, 0.4756, 0.4606



21.5610, 0.3795, 0.5369



5.6236, 0.3264, 0.3450



13.5624, 0.4739, 0.4619



0.1142, 0.4442, 0.4855

Inverse Universe

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



3.1858, 0.1600, 0.0958



5.4664, 0.1590, 0.0924



2.1778, 0.1646, 0.0680



5.0947, 0.2991, 0.3125



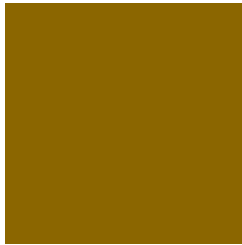
2.9011, 0.1601, 0.0965



0.0406, 0.1813, 0.1727

Previews

White Background



This preview shows how the Yxy color 14.9917, 0.4742, 0.4617 looks on a white background.

Color Contrast Check

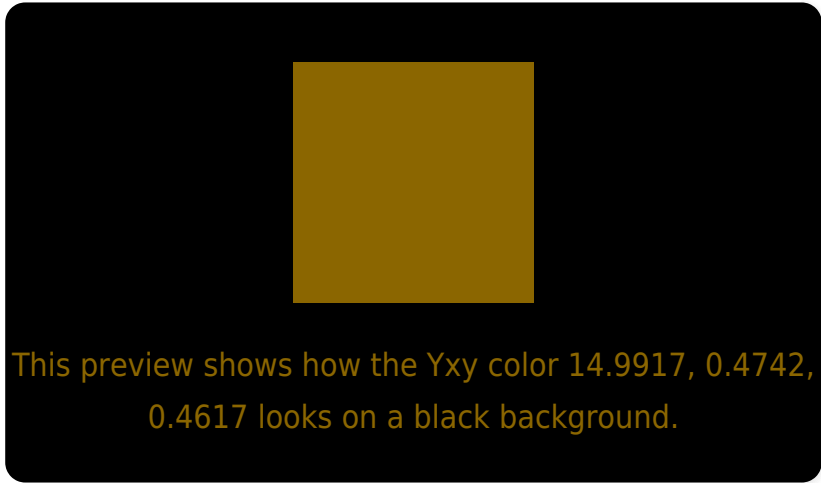
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9917, 0.4742, 0.4617

Background



This preview shows how black text looks on a background with the Yxy color 14.9917, 0.4742, 0.4617.



This preview shows how white text looks on a background with the Yxy color 14.9917, 0.4742, 0.4617.

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

14.9917, 0.4742, 0.4617

Protanopia

15.0924, 0.4359, 0.4859

Deuteranopia

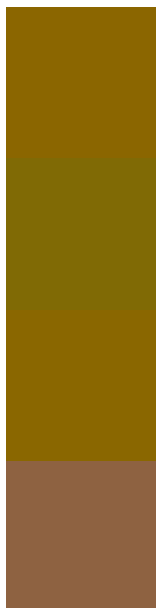
15.0189, 0.4698, 0.4652



Tritanopia

15.0730, 0.3780, 0.3167

Trichromacy



Original Color

14.9917, 0.4742, 0.4617

Protanomaly

14.9082, 0.4504, 0.4767

Deuteranomaly

15.1038, 0.4711, 0.4641

Tritanomaly

14.8678, 0.4297, 0.3877

Monochromacy



Original Color

14.9917, 0.4742, 0.4617

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.3224, 0.3865, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9917, 0.4742, 0.4617 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(139, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 102, 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(139, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.9917, 0.4742, 0.4617 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(139, 102, 0) }
```

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

```
.border{ border-color:rgb(139, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9917, 0.4742, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 102, 0) }
```

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

```
.background{ background-color: rgb(139,  
102, 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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