

Converting Colors

$Y_{xy}(16.2129, 0.4925, 0.4472)$

Have a look what the booklet for
Yxy(16.2129, 0.4925, 0.4472)
contains.

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Color

Yxy(16.2750, 0.4920, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	996600
RGB	153, 102, 0
RGB Percent	60%, 40%, 0%
CMY	0.4000, 0.6000, 1.0000
CMYK	0.00, 0.33, 1.00, 0.40
HSL	40°, 100%, 30%
HSV	40°, 100%, 60%
XYZ	17.8894, 16.2750, 2.1962
YIQ	105.6210, 63.1380, -20.9100

Conversions

Conversions Part 2

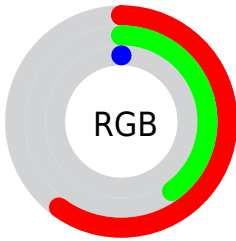
Format	Color
R_{YB}	77, 153, 0
Decimal	10053120
CIE Lab	47.33, 13.55, 54.75
CIE LCh	47, 56.406, 76.096
Yxy	16.2750, 0.4920, 0.4476
Android (android.graphics.Color)	4288243200 (0xFF996600)
YUV	105.6210, -52.0712, 41.5514
Hunter-Lab	40.3423, 8.5552, 25.0119

Details

The Yxy color **16.2750, 0.4920, 0.4476** is a dark color, and the websafe version is hex **996600**, and the color name is **gamboge orange (brown)**. A complement of this color would be **4.6689, 0.1640, 0.1104**, and the grayscale version is **14.4368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1273, 0.4573, 0.4308**, and **5.2192, 0.5120, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **16.2760, 0.4920, 0.4476**, and if you desaturate by 10%, it is **17.3451, 0.4782, 0.4485**.

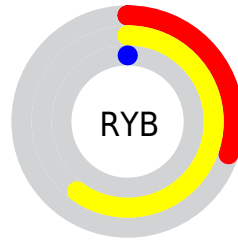
Distribution



Red (60%)

Green (40%)

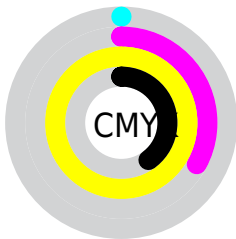
Blue (0%)



Red (30%)

Yellow (60%)

Blue (0%)

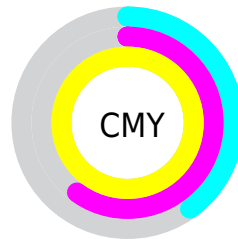


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2750, 0.4920, 0.4476 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 16.2750, 0.4920, 0.4476 by changing the saturation by 10% instead.


 16.2750, 0.4920,
0.4476

 16.2750, 0.4920,
0.4476


 230.9590, 0.3957,
0.3917


 9.7190, 0.5135,
0.4550


 37.0750, 0.4578,
0.4310


 5.2130, 0.5398,
0.4602

 52.0877, 0.4444,
0.4233


 2.3728, 0.5547,
0.4453

 70.6881, 0.4330,
0.4164

 0.8118, 0.5820,
0.4180

 93.2605, 0.4232,
0.4102

 0.0000, 1.0000,
0.0000


 120.1895, 0.4149,
0.4047


 0.0000, 0.0000,
0.0000


 151.8593, 0.4076,


0.3999


 188.6543, 0.4013,
0.3956


 16.2750, 0.4920,
0.4476


 16.2750, 0.4920,
0.4476


 16.2760, 0.4920,
0.4476

 17.3451, 0.4782,
0.4485

 18.5031, 0.4623,
0.4455

 19.7631, 0.4438,
0.4380

 21.1309, 0.4238,
0.4265

 22.6117, 0.4032,
0.4122

■ 24.2101, 0.3827,
0.3961

■ 25.9302, 0.3632,
0.3790

■ 27.7760, 0.3449,
0.3619

■ 29.7513, 0.3280,
0.3451

Harmonies

Analogous

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



16.2750, 0.5281, 0.3718



16.2750, 0.4920, 0.4476



16.2750, 0.4114, 0.5167

Triad

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



16.2750, 0.4920, 0.4476



16.2750, 0.1570, 0.3209



16.2750, 0.2788, 0.1934

Complementary

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



16.2750, 0.4920, 0.4476



4.6689, 0.1640, 0.1104

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.



16.2750, 0.1946, 0.1733



16.2750, 0.4920, 0.4476



16.2750, 0.1355, 0.2267

Square

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



16.2750, 0.4920, 0.4476



16.2750, 0.2190, 0.4510



16.2750, 0.1483, 0.1818



16.2750, 0.3924, 0.2386

Rectangle

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



16.2750, 0.4920, 0.4476



16.2750, 0.3463, 0.5379



16.2750, 0.1483, 0.1818



16.2750, 0.2465, 0.1838

Sweetspot

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



16.2760, 0.4920, 0.4476



46.2423, 0.3643, 0.3801



7.0355, 0.5541, 0.2826



9.9442, 0.3717, 0.3867



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.2760, 0.4920, 0.4476



28.7916, 0.4937, 0.4462



27.5364, 0.3935, 0.5258



6.8757, 0.3268, 0.3438



13.5128, 0.4913, 0.4481



0.2682, 0.4537, 0.4780

Inverse Universe

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



4.6689, 0.1640, 0.1104



8.0516, 0.1631, 0.1071



2.4818, 0.1570, 0.0638



6.3461, 0.2988, 0.3138



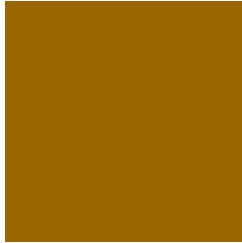
3.9145, 0.1644, 0.1117



0.1207, 0.1868, 0.1924

Previews

White Background



This preview shows how the Yxy color 16.2750, 0.4920, 0.4476 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



This preview shows how the Yxy color 16.2750, 0.4920, 0.4476 looks on a 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 16.2750, 0.4920, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 16.2750, 0.4920, 0.4476.



This preview shows how white text looks on a background with the Yxy color 16.2750, 0.4920, 0.4476.

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

16.2750, 0.4920, 0.4476

Protanopia

16.3442, 0.4363, 0.4847

Deuteranopia

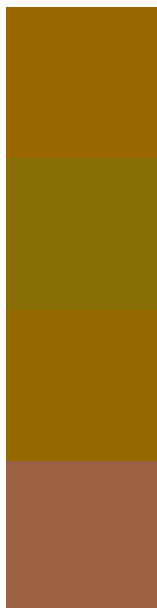
16.3550, 0.4709, 0.4643



Tritanopia

16.3118, 0.3972, 0.3177

Trichromacy



Original Color

16.2750, 0.4920, 0.4476

Protanomaly

16.1847, 0.4563, 0.4717

Deuteranomaly

16.3062, 0.4794, 0.4576

Tritanomaly

16.1849, 0.4495, 0.3823

Monochromacy



Original Color

16.2750, 0.4920, 0.4476

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7194, 0.3915, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2750, 0.4920, 0.4476 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(153, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2750, 0.4920, 0.4476 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(153, 102, 0) }
```

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

```
.border{ border-color:rgb(153, 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(153, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2750, 0.4920, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 0) }
```

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

```
.background{ background-color: rgb(153,  
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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