

Converting Colors

$Y_{xy}(23.5990, 0.4921, 0.4475)$

Have a look what the booklet for
Yxy(23.5990, 0.4921, 0.4475)
contains.

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Color

Yxy(23.4985, 0.4926, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	B57900
RGB	181, 121, 0
RGB Percent	71%, 47%, 0%
CMY	0.2903, 0.5254, 1.0000
CMYK	0.00, 0.33, 1.00, 0.29
HSL	40°, 100%, 35%
HSV	40°, 100%, 71%
XYZ	25.8899, 23.4985, 3.1692
YIQ	125.1460, 74.6010, -24.9110

Conversions

Conversions Part 2

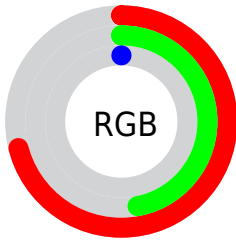
Format	Color
R _Y B	90, 181, 0
Decimal	11892992
CIE Lab	55.58, 15.57, 61.90
CIE LCh	56, 63.825, 75.878
Yxy	23.4985, 0.4926, 0.4471
Android (android.graphics.Color)	4290083072 (0xFFB57900)
YUV	125.1460, -61.6970, 48.9840
Hunter-Lab	48.4753, 10.5024, 30.0564

Details

The Yxy color **23.4985, 0.4926, 0.4471** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.5635, 0.1633, 0.1077**, and the grayscale version is **20.7541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1696, 0.4621, 0.4322**, and **8.8457, 0.5118, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **23.4998, 0.4926, 0.4471**, and if you desaturate by 10%, it is **25.0472, 0.4794, 0.4489**.

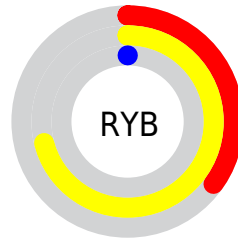
Distribution



Red (71%)

Green (47%)

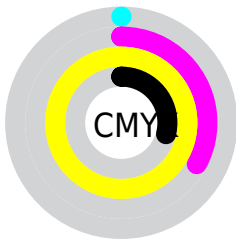
Blue (0%)



Red (35%)

Yellow (71%)

Blue (0%)

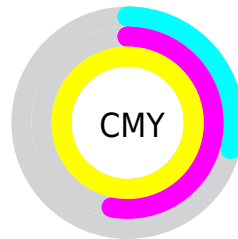


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4985, 0.4926, 0.4471 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 23.4985, 0.4926, 0.4471 by changing the saturation by 10% instead.


 23.4985, 0.4926,
0.4471


 23.4985, 0.4926,
0.4471


270.2752, 0.4018,
0.3956


 14.9620, 0.5111,
0.4532


 49.2106, 0.4617,
0.4325


 8.7927, 0.5380,
0.4620


 67.1550, 0.4492,
0.4256

 4.6062, 0.5496,
0.4504

 89.0041, 0.4384,
0.4192

 2.0181, 0.5681,
0.4319

 115.1424, 0.4290,
0.4134


 0.6180, 0.6118,
0.3882


 145.9543, 0.4209,
0.4082


 0.0000, 0.0000,
0.0000


 181.8241, 0.4137,

0.4036

 223.1363, 0.4074,
0.3994


 23.4985, 0.4926,
0.4471


 23.4985, 0.4926,
0.4471


 23.4998, 0.4926,
0.4471

 25.0472, 0.4794,
0.4489

 26.7273, 0.4637,
0.4464

 28.5571, 0.4453,
0.4392

 30.5456, 0.4252,
0.4278

 32.7005, 0.4044,
0.4134

■ 35.0287, 0.3837,
0.3971

■ 37.5367, 0.3639,
0.3799

■ 40.2304, 0.3453,
0.3624

■ 43.1153, 0.3282,
0.3453

Harmonies

Analogous

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



23.4985, 0.5283, 0.3712



23.4985, 0.4926, 0.4471



23.4985, 0.4122, 0.5165

Triad

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



23.4985, 0.4926, 0.4471



23.4985, 0.1572, 0.3218



23.4985, 0.2780, 0.1931

Complementary

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



23.4985, 0.4926, 0.4471



6.5635, 0.1633, 0.1077

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.



23.4985, 0.1941, 0.1731



23.4985, 0.4926, 0.4471



23.4985, 0.1354, 0.2271

Square

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



23.4985, 0.4926, 0.4471



23.4985, 0.2195, 0.4521



23.4985, 0.1480, 0.1818



23.4985, 0.3916, 0.2381

Rectangle

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



23.4985, 0.4926, 0.4471



23.4985, 0.3471, 0.5381



23.4985, 0.1480, 0.1818



23.4985, 0.2458, 0.1835

Sweetspot

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



23.4998, 0.4926, 0.4471



67.0105, 0.3649, 0.3807



10.1511, 0.5637, 0.2879



14.0737, 0.3730, 0.3880



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.4998, 0.4926, 0.4471



41.6636, 0.4941, 0.4459



39.6017, 0.3902, 0.5284



9.4227, 0.3271, 0.3442



16.3352, 0.4914, 0.4480



0.6156, 0.4668, 0.4676

Inverse Universe

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



6.5635, 0.1633, 0.1077



11.3858, 0.1625, 0.1048



3.6139, 0.1573, 0.0640



8.6749, 0.2985, 0.3133



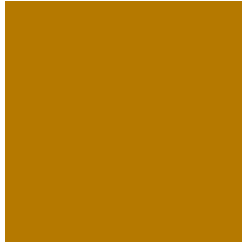
4.6409, 0.1639, 0.1099



0.2558, 0.1803, 0.1692

Previews

White Background



This preview shows how the Yxy color 23.4985, 0.4926, 0.4471 looks on a white background.

Color Contrast Check

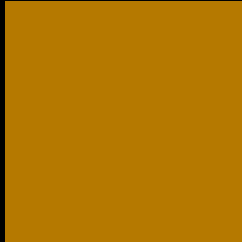
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.4985, 0.4926, 0.4471 looks on a black 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

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

Yxy 23.4985, 0.4926, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 23.4985, 0.4926, 0.4471.



This preview shows how white text looks on a background with the Yxy color 23.4985, 0.4926, 0.4471.

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

23.4985, 0.4926, 0.4471

Protanopia

23.6560, 0.4376, 0.4848

Deuteranopia

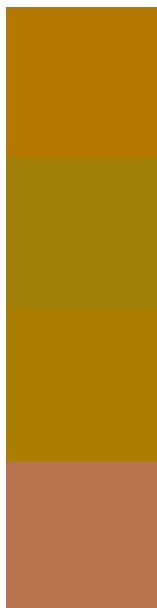
23.6138, 0.4709, 0.4643



Tritanopia

23.4079, 0.3988, 0.3165

Trichromacy



Original Color

23.4985, 0.4926, 0.4471

Protanomaly

23.3994, 0.4583, 0.4704

Deuteranomaly

23.5515, 0.4782, 0.4585

Tritanomaly

22.9876, 0.4521, 0.3816

Monochromacy



Original Color

23.4985, 0.4926, 0.4471

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0142, 0.3916, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4985, 0.4926, 0.4471 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(181, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 121, 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(181, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.4985, 0.4926, 0.4471 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(181, 121, 0) }
```

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

```
.border{ border-color:rgb(181, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4985, 0.4926, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 121, 0) }
```

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

```
.background{ background-color: rgb(181,  
121, 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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