

Converting Colors

$Y_{xy}(21.4526, 0.4920, 0.4475)$

Have a look what the booklet for
Yxy(21.4526, 0.4920, 0.4475)
contains.

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Color

Yxy(21.3750, 0.4918, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	AD7400
RGB	173, 116, 0
RGB Percent	68%, 45%, 0%
CMY	0.3215, 0.5451, 0.9999
CMYK	0.00, 0.33, 1.00, 0.32
HSL	40°, 100%, 34%
HSV	40°, 100%, 68%
XYZ	23.4805, 21.3750, 2.8885
YIQ	119.8190, 71.2080, -23.9920

Conversions

Conversions Part 2

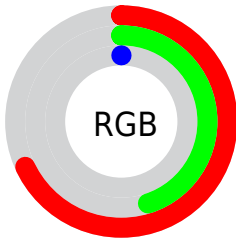
Format	Color
R_{YB}	85, 173, 0
Decimal	11367424
CIE Lab	53.36, 14.78, 59.93
CIE LCh	53, 61.728, 76.149
Yxy	21.3750, 0.4918, 0.4477
Android (android.graphics.Color)	4289557504 (0xFFAD7400)
YUV	119.8190, -59.0708, 46.6397
Hunter-Lab	46.2331, 9.7473, 28.6589

Details

The Yxy color **21.3750, 0.4918, 0.4477** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9463, 0.1633, 0.1078**, and the grayscale version is **18.8982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7222, 0.4596, 0.4324**, and **7.7791, 0.5094, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **21.3747, 0.4918, 0.4477**, and if you desaturate by 10%, it is **22.7726, 0.4786, 0.4492**.

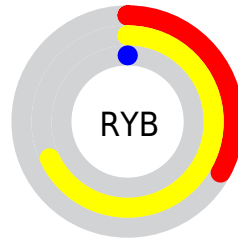
Distribution



Red (68%)

Green (45%)

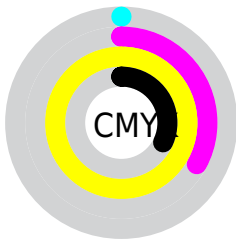
Blue (0%)



Red (33%)

Yellow (68%)

Blue (0%)

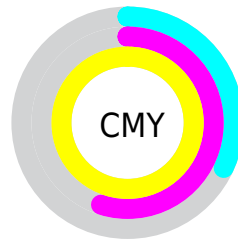


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3750, 0.4918, 0.4477 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 21.3750, 0.4918, 0.4477 by changing the saturation by 10% instead.


 21.3750, 0.4918,
0.4477


 21.3750, 0.4918,
0.4477


259.2647, 0.3999,
0.3947


 13.3984, 0.5108,
0.4541


 45.7108, 0.4602,
0.4324


 7.7034, 0.5376,
0.4624

 62.8388, 0.4475,
0.4253

 3.9058, 0.5498,
0.4502

 83.7860, 0.4366,
0.4187

 1.6210, 0.5697,
0.4303

 108.9369, 0.4272,
0.4128

 0.3717, 0.6577,
0.3423


 138.6758, 0.4190,
0.4075


 0.0000, 0.0000,
0.0000

 173.3872, 0.4118,

0.4028

 213.4554, 0.4055,
0.3985


 21.3750, 0.4918,
0.4477

 21.3750, 0.4918,
0.4477


 21.3747, 0.4918,
0.4477

 22.7726, 0.4786,
0.4492

 24.2874, 0.4629,
0.4466

 25.9361, 0.4446,
0.4392

 27.7267, 0.4246,
0.4278

 29.6661, 0.4039,
0.4134

■ 31.7604, 0.3834,
0.3971

■ 34.0155, 0.3636,
0.3798

■ 36.4365, 0.3452,
0.3624

■ 39.0284, 0.3281,
0.3453

Harmonies

Analogous

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



21.3750, 0.5279, 0.3719



21.3750, 0.4918, 0.4477



21.3750, 0.4112, 0.5167

Triad

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



21.3750, 0.4918, 0.4477



21.3750, 0.1571, 0.3207



21.3750, 0.2790, 0.1936

Complementary

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



21.3750, 0.4918, 0.4477



5.9463, 0.1633, 0.1078

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.



21.3750, 0.1948, 0.1734



21.3750, 0.4918, 0.4477



21.3750, 0.1356, 0.2267

Square

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



21.3750, 0.4918, 0.4477



21.3750, 0.2189, 0.4507



21.3750, 0.1484, 0.1818



21.3750, 0.3926, 0.2387

Rectangle

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



21.3750, 0.4918, 0.4477



21.3750, 0.3462, 0.5377



21.3750, 0.1484, 0.1818



21.3750, 0.2467, 0.1839

Sweetspot

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



21.3761, 0.4918, 0.4477



60.6904, 0.3647, 0.3807



9.1878, 0.5628, 0.2874



12.8259, 0.3726, 0.3878



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.3761, 0.4918, 0.4477



37.8680, 0.4933, 0.4465



35.8357, 0.3903, 0.5283



8.8786, 0.3270, 0.3442



15.8090, 0.4908, 0.4485



0.5343, 0.4644, 0.4694

Inverse Universe

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



5.9463, 0.1633, 0.1078



10.2944, 0.1625, 0.1048



3.2769, 0.1576, 0.0642



8.1723, 0.2986, 0.3134



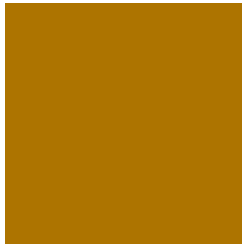
4.4620, 0.1638, 0.1097



0.2258, 0.1816, 0.1736

Previews

White Background



This preview shows how the Yxy color 21.3750, 0.4918, 0.4477 looks on a white background.

Color Contrast Check

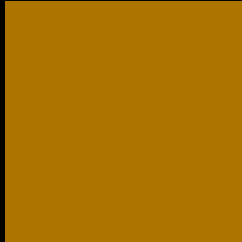
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3750, 0.4918, 0.4477 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 21.3750, 0.4918, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 21.3750, 0.4918, 0.4477.



This preview shows how white text looks on a background with the Yxy color 21.3750, 0.4918, 0.4477.

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

21.3750, 0.4918, 0.4477

Protanopia

21.3942, 0.4369, 0.4847

Deuteranopia

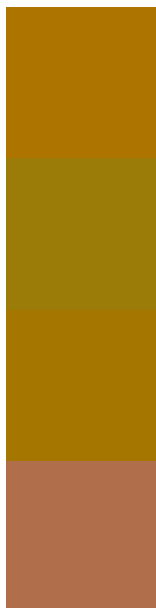
21.3561, 0.4718, 0.4636



Tritanopia

21.4511, 0.3977, 0.3174

Trichromacy



Original Color

21.3750, 0.4918, 0.4477

Protanomaly

21.4014, 0.4571, 0.4710

Deuteranomaly

21.3006, 0.4795, 0.4575

Tritanomaly

21.0934, 0.4501, 0.3824

Monochromacy



Original Color

21.3750, 0.4918, 0.4477

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2044, 0.3920, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3750, 0.4918, 0.4477 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(173, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 116, 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(173, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 116, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.3750, 0.4918, 0.4477 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(173, 116, 0) }
```

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

```
.border{ border-color:rgb(173, 116, 0) }
```

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

Here you see how a box with a 4 pixel rgb(173, 116, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 116,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3750, 0.4918, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 116, 0) }
```

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

```
.background{ background-color: rgb(173,  
116, 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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