

Converting Colors

$Y_{xy}(16.7436, 0.4735, 0.5265)$

Have a look what the booklet for
Yxy(16.7436, 0.4735, 0.5265)
contains.

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Color

Yxy(16.9402, 0.4448, 0.4851)

Conversions

Conversions Part 1

Format	Color
Hex	847200
RGB	132, 114, 0
RGB Percent	52%, 45%, 0%
CMY	0.4823, 0.5529, 1.0000
CMYK	0.00, 0.14, 1.00, 0.48
HSL	52°, 100%, 26%
HSV	52°, 100%, 52%
XYZ	15.5329, 16.9402, 2.4480
YIQ	106.3860, 47.3220, -31.6380

Conversions

Conversions Part 2

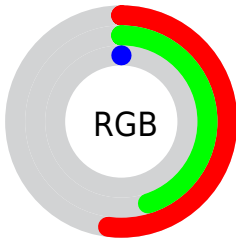
Format	Color
R_{YB}	21, 132, 0
Decimal	8679936
CIE Lab	48.18, -3.29, 54.22
CIE LCh	48, 54.316, 93.477
Yxy	16.9402, 0.4448, 0.4851
Android (android.graphics.Color)	4286870016 (0xFF847200)
YUV	106.3860, -52.4483, 22.4635
Hunter-Lab	41.1585, -4.6628, 25.2846

Details

The Yxy color **16.9402, 0.4448, 0.4851** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0986, 0.1538, 0.0737**, and the grayscale version is **14.6628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0880, 0.4226, 0.4555**, and **5.6340, 0.4439, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **16.9412, 0.4448, 0.4851**, and if you desaturate by 10%, it is **17.3809, 0.4380, 0.4814**.

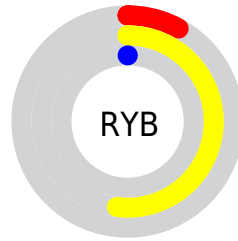
Distribution



Red (52%)

Green (45%)

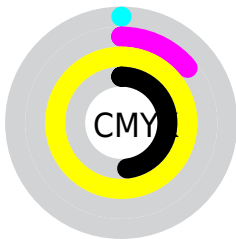
Blue (0%)



Red (8%)

Yellow (52%)

Blue (0%)

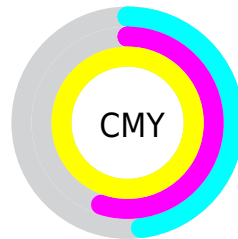


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (48%)



Cyan (48%)


Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9402, 0.4448, 0.4851 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 16.9402, 0.4448, 0.4851 by changing the saturation by 10% instead.


 16.9402, 0.4448,
0.4851


 16.9402, 0.4448,
0.4851

234.8275, 0.3767,
0.4023


 10.1919, 0.4576,
0.5024


 38.2229, 0.4218,
0.4561


 5.5264, 0.4742,
0.5258

 53.5261, 0.4123,
0.4446

 2.5593, 0.4704,
0.5296

 72.4497, 0.4042,
0.4347

 0.9062, 0.4628,
0.5372


 95.3781, 0.3971,
0.4263


 0.0000, 0.0000,
0.0000


 122.6957, 0.3910,
0.4190

 154.7868, 0.3856,


0.4127


 192.0360, 0.3809,
0.4072


 16.9402, 0.4448,
0.4851


 16.9402, 0.4448,
0.4851


 16.9412, 0.4448,
0.4851

 17.3809, 0.4380,
0.4814

 17.8458, 0.4295,
0.4749

 18.3461, 0.4184,
0.4642

 18.8851, 0.4052,
0.4497

 19.4658, 0.3904,
0.4323

■ 20.0905, 0.3747,
0.4127

■ 20.7618, 0.3586,
0.3918

■ 21.4816, 0.3427,
0.3705

■ 22.2520, 0.3273,
0.3494

Harmonies

Analogous

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



16.9402, 0.5064, 0.4141



16.9402, 0.4448, 0.4851



16.9402, 0.3550, 0.5268

Triad

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



16.9402, 0.4448, 0.4851



16.9402, 0.1467, 0.2639



16.9402, 0.3419, 0.2214

Complementary

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



16.9402, 0.4448, 0.4851



2.0986, 0.1538, 0.0737

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.



16.9402, 0.2422, 0.1872



16.9402, 0.4448, 0.4851



16.9402, 0.1453, 0.2013

Square

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



16.9402, 0.4448, 0.4851



16.9402, 0.1841, 0.3727



16.9402, 0.1763, 0.1790



16.9402, 0.4491, 0.2762

Rectangle

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



16.9402, 0.4448, 0.4851



16.9402, 0.2906, 0.5117



16.9402, 0.1763, 0.1790



16.9402, 0.3058, 0.2073

Sweetspot

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



16.9412, 0.4448, 0.4851



36.4887, 0.3597, 0.3932



4.9555, 0.6142, 0.3157



8.3942, 0.3655, 0.4008



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.9412, 0.4448, 0.4851



29.6816, 0.4454, 0.4846



18.4721, 0.3606, 0.5519



5.3177, 0.3260, 0.3476



16.4084, 0.4447, 0.4851



0.0643, 0.4309, 0.4961

Inverse Universe

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



2.0986, 0.1538, 0.0737



3.5591, 0.1531, 0.0713



2.2515, 0.1795, 0.0762



4.6395, 0.2992, 0.3097



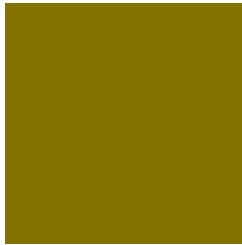
2.0370, 0.1539, 0.0738



0.0131, 0.1679, 0.1243

Previews

White Background



This preview shows how the Yxy color 16.9402, 0.4448, 0.4851 looks on a white background.

Color Contrast Check

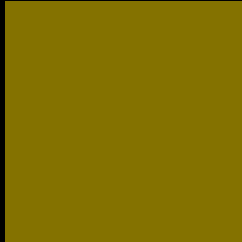
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9402, 0.4448, 0.4851 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 16.9402, 0.4448, 0.4851

Background



This preview shows how black text looks on a background with the Yxy color 16.9402, 0.4448, 0.4851.



This preview shows how white text looks on a background with the Yxy color 16.9402, 0.4448, 0.4851.

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

16.9402, 0.4448, 0.4851

Protanopia

16.9352, 0.4382, 0.4882

Deuteranopia

16.9861, 0.4659, 0.4596



Tritanopia

16.9262, 0.3471, 0.3146

Trichromacy



Original Color

16.9402, 0.4448, 0.4851

Protanomaly

17.0117, 0.4399, 0.4876

Deuteranomaly

16.9619, 0.4578, 0.4694

Tritanomaly

16.6526, 0.3996, 0.3955

Monochromacy



Original Color

16.9402, 0.4448, 0.4851

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9874, 0.3762, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9402, 0.4448, 0.4851 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(132, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 114, 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(132, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9402, 0.4448, 0.4851 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(132, 114, 0) }
```

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

```
.border{ border-color:rgb(132, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9402, 0.4448, 0.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 114, 0) }
```

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

```
.background{ background-color: rgb(132,  
114, 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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