

Converting Colors

$Y_{xy}(17.1960, 0.4442, 0.4855)$

Have a look what the booklet for
Yxy(17.1960, 0.4442, 0.4855)
contains.

Yxy(17.2480, 0.4446, 0.4852)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2480, 0.4446, 0.4852)

Conversions

Conversions Part 1

Format	Color
Hex	857300
RGB	133, 115, 0
RGB Percent	52%, 45%, 0%
CMY	0.4784, 0.5490, 1.0000
CMYK	0.00, 0.14, 1.00, 0.48
HSL	52°, 100%, 26%
HSV	52°, 100%, 52%
XYZ	15.8047, 17.2480, 2.4955
YIQ	107.2720, 47.6430, -31.9490

Conversions

Conversions Part 2

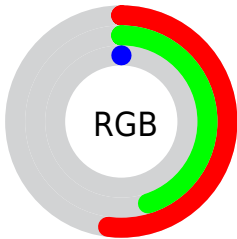
Format	Color
RYB	21, 133, 0
Decimal	8745728
CIELab	48.57, -3.37, 54.52
CIELCh	49, 54.623, 93.541
Yxy	17.2480, 0.4446, 0.4852
Android (android.graphics.Color)	4286935808 (0xFF857300)
YUV	107.2720, -52.8851, 22.5635
Hunter-Lab	41.5307, -4.7496, 25.5089

Details

The Yxy color **17.2480, 0.4446, 0.4852** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1267, 0.1538, 0.0735**, and the grayscale version is **14.9233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9435, 0.4219, 0.4570**, and **5.6766, 0.4461, 0.4840** is the 20% darker color. If you saturate the color by 10%, you get **17.2489, 0.4446, 0.4852**, and if you desaturate by 10%, it is **17.6935, 0.4379, 0.4816**.

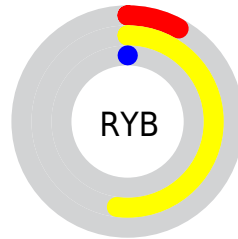
Distribution



Red (52%)

Green (45%)

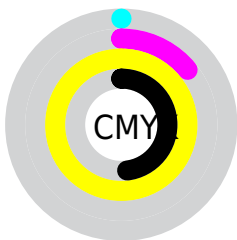
Blue (0%)



Red (8%)

Yellow (52%)

Blue (0%)

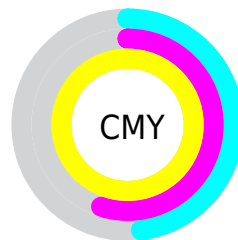


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (48%)



Cyan (48%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2480, 0.4446, 0.4852 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 17.2480, 0.4446, 0.4852 by changing the saturation by 10% instead.


 17.2480, 0.4446,
0.4852


 17.2480, 0.4446,
0.4852


236.5975, 0.3768,
0.4026


 10.4115, 0.4572,
0.5024


 38.7517, 0.4218,
0.4563


 5.6726, 0.4740,
0.5260

 54.1876, 0.4124,
0.4448


 2.6471, 0.4702,
0.5298

 73.2588, 0.4042,
0.4350

 0.9504, 0.4630,
0.5370

 96.3497, 0.3972,
0.4266


 0.0000, 0.0000,
0.0000


 123.8446, 0.3911,
0.4193


 156.1279, 0.3857,

0.4130


 193.5841, 0.3810,
0.4074

 17.2480, 0.4446,
0.4852


 17.2480, 0.4446,
0.4852


 17.2489, 0.4446,
0.4852

 17.6935, 0.4379,
0.4816

 18.1638, 0.4294,
0.4751

 18.6700, 0.4184,
0.4643

 19.2156, 0.4052,
0.4499

 19.8033, 0.3904,
0.4324

■ 20.4359, 0.3747,
0.4128

■ 21.1157, 0.3587,
0.3919

■ 21.8448, 0.3427,
0.3706

■ 22.6252, 0.3273,
0.3495

Harmonies

Analogous

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



17.2480, 0.5063, 0.4142



17.2480, 0.4446, 0.4852



17.2480, 0.3548, 0.5268

Triad

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



17.2480, 0.4446, 0.4852



17.2480, 0.1467, 0.2637



17.2480, 0.3421, 0.2215

Complementary

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



17.2480, 0.4446, 0.4852



2.1267, 0.1538, 0.0735

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.



17.2480, 0.2424, 0.1873



17.2480, 0.4446, 0.4852



17.2480, 0.1454, 0.2013

Square

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



17.2480, 0.4446, 0.4852



17.2480, 0.1841, 0.3724



17.2480, 0.1764, 0.1790



17.2480, 0.4493, 0.2764

Rectangle

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



17.2480, 0.4446, 0.4852



17.2480, 0.2904, 0.5116



17.2480, 0.1764, 0.1790



17.2480, 0.3060, 0.2074

Sweetspot

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



17.2489, 0.4446, 0.4852



37.7219, 0.3597, 0.3934



5.0377, 0.6143, 0.3158



8.3987, 0.3655, 0.4009



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.



17.2489, 0.4446, 0.4852



30.7174, 0.4452, 0.4847



18.7780, 0.3606, 0.5519



5.3184, 0.3260, 0.3476



16.4356, 0.4445, 0.4852



0.0643, 0.4308, 0.4961

Inverse Universe

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



2.1267, 0.1538, 0.0735



3.6646, 0.1531, 0.0710



2.2875, 0.1794, 0.0762



4.6388, 0.2992, 0.3097



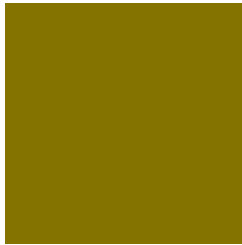
2.0331, 0.1538, 0.0737



0.0131, 0.1678, 0.1239

Previews

White Background



This preview shows how the Yxy color 17.2480, 0.4446, 0.4852 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 Xy color 17.2480, 0.4446, 0.4852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

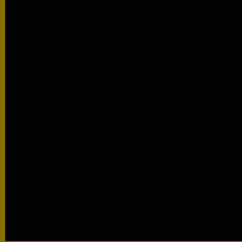
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.2480, 0.4446, 0.4852

Background



This preview shows how black text looks on a background with the Yxy color 17.2480, 0.4446, 0.4852.

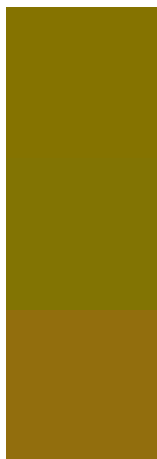


This preview shows how white text looks on a background with the Yxy color 17.2480, 0.4446, 0.4852.

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

17.2480, 0.4446, 0.4852

Protanopia

17.2432, 0.4381, 0.4883

Deuteranopia

17.2919, 0.4656, 0.4600



Tritanopia

17.2422, 0.3468, 0.3147

Trichromacy



Original Color

17.2480, 0.4446, 0.4852

Protanomaly

17.3205, 0.4397, 0.4877

Deuteranomaly

17.2686, 0.4575, 0.4697

Tritanomaly

16.9513, 0.4002, 0.3968

Monochromacy



Original Color

17.2480, 0.4446, 0.4852

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2822, 0.3757, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2480, 0.4446, 0.4852 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(133, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 115, 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(133, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.2480, 0.4446, 0.4852 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(133, 115, 0) }
```

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

```
.border{ border-color:rgb(133, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 115,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2480, 0.4446, 0.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 115, 0) }
```

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

```
.background{ background-color: rgb(133,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor