

Converting Colors

$Y_{xy}(17.9266, 0.4441, 0.4856)$

Have a look what the booklet for
Yxy(17.9266, 0.4441, 0.4856)
contains.

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Color

Yxy(17.8735, 0.4442, 0.4855)

Conversions

Conversions Part 1

Format	Color
Hex	877500
RGB	135, 117, 0
RGB Percent	53%, 46%, 0%
CMY	0.4706, 0.5412, 1.0000
CMYK	0.00, 0.13, 1.00, 0.47
HSL	52°, 100%, 26%
HSV	52°, 100%, 53%
XYZ	16.3531, 17.8735, 2.5881
YIQ	109.0440, 48.2850, -32.5710

Conversions

Conversions Part 2

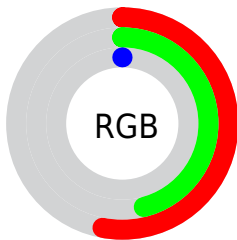
Format	Color
R_YB	21, 135, 0
Decimal	8877312
CIE Lab	49.34, -3.55, 55.15
CIE LCh	49, 55.269, 93.688
Yxy	17.8735, 0.4442, 0.4855
Android (android.graphics.Color)	4287067392 (0xFF877500)
YUV	109.0440, -53.7587, 22.7634
Hunter-Lab	42.2771, -4.9398, 25.9644

Details

The Yxy color **17.8735, 0.4442, 0.4855** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1821, 0.1536, 0.0730**, and the grayscale version is **15.4522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9526, 0.4215, 0.4570**, and **6.0056, 0.4455, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **17.8741, 0.4442, 0.4855**, and if you desaturate by 10%, it is **18.3282, 0.4376, 0.4820**.

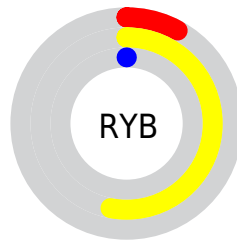
Distribution



Red (53%)

Green (46%)

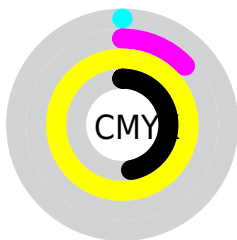
Blue (0%)



Red (8%)

Yellow (53%)

Blue (0%)

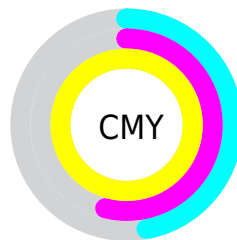


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8735, 0.4442, 0.4855 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 17.8735, 0.4442, 0.4855 by changing the saturation by 10% instead.


 17.8735, 0.4442,
0.4855


 17.8735, 0.4442,
0.4855


240.1571, 0.3771,
0.4031


 10.8592, 0.4565,
0.5025


 39.8217, 0.4217,
0.4568

 5.9722, 0.4736,
0.5264

 55.5243, 0.4124,
0.4453

 2.8282, 0.4696,
0.5304

 74.8919, 0.4043,
0.4356

 1.0427, 0.4626,
0.5374


 98.3087, 0.3973,
0.4271


 0.0000, 0.0000,
0.0000

 126.1593, 0.3913,
0.4199


 158.8279, 0.3859,

0.4136


 196.6990, 0.3812,
0.4080


 17.8735, 0.4442,
0.4855


 17.8735, 0.4442,
0.4855


 17.8741, 0.4442,
0.4855

 18.3282, 0.4376,
0.4820

 18.8086, 0.4292,
0.4754

 19.3258, 0.4182,
0.4647

 19.8835, 0.4051,
0.4503

 20.4846, 0.3904,
0.4327

■ 21.1319, 0.3747,
0.4131

■ 21.8278, 0.3587,
0.3921

■ 22.5745, 0.3427,
0.3707

■ 23.3742, 0.3273,
0.3495

Harmonies

Analogous

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



17.8735, 0.5061, 0.4146



17.8735, 0.4442, 0.4855



17.8735, 0.3543, 0.5268

Triad

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



17.8735, 0.4442, 0.4855



17.8735, 0.1466, 0.2633



17.8735, 0.3427, 0.2217

Complementary

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



17.8735, 0.4442, 0.4855



2.1821, 0.1536, 0.0730

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.



17.8735, 0.2428, 0.1874



17.8735, 0.4442, 0.4855



17.8735, 0.1455, 0.2011

Square

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



17.8735, 0.4442, 0.4855



17.8735, 0.1838, 0.3718



17.8735, 0.1767, 0.1790



17.8735, 0.4497, 0.2767

Rectangle

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



17.8735, 0.4442, 0.4855



17.8735, 0.2899, 0.5113



17.8735, 0.1767, 0.1790



17.8735, 0.3065, 0.2076

Sweetspot

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



17.8744, 0.4442, 0.4855



39.0020, 0.3598, 0.3936



5.1948, 0.6182, 0.3179



8.9246, 0.3657, 0.4013



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.8744, 0.4442, 0.4855



31.8412, 0.4448, 0.4850



19.2829, 0.3579, 0.5540



5.3200, 0.3260, 0.3477



16.4960, 0.4441, 0.4856



0.0644, 0.4306, 0.4963

Inverse Universe

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



2.1821, 0.1536, 0.0730



3.7637, 0.1530, 0.0707



2.4151, 0.1817, 0.0775



4.6374, 0.2992, 0.3096



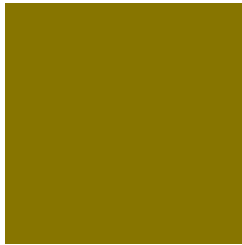
2.0245, 0.1537, 0.0734



0.0130, 0.1675, 0.1230

Previews

White Background



This preview shows how the Yxy color 17.8735, 0.4442, 0.4855 looks on a white background.

Color Contrast Check

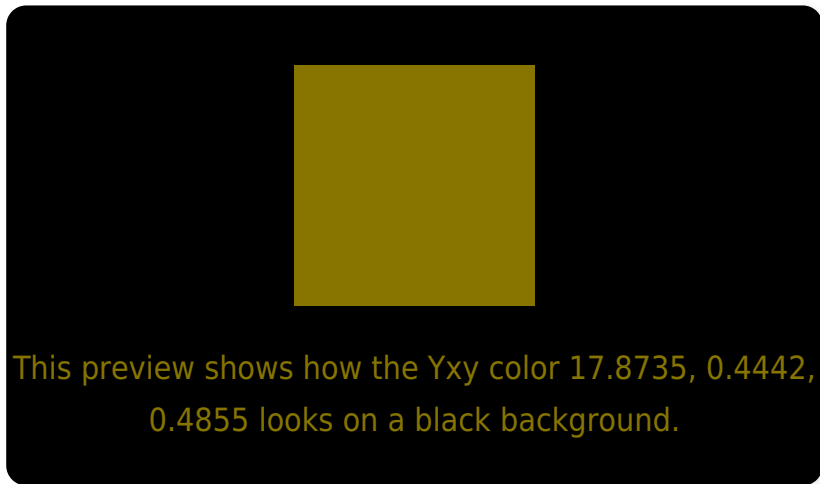
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

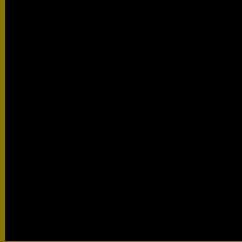
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8735, 0.4442, 0.4855

Background



This preview shows how black text looks on a background with the Yxy color 17.8735, 0.4442, 0.4855.

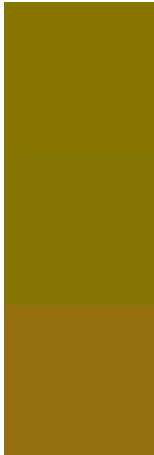


This preview shows how white text looks on a background with the Yxy color 17.8735, 0.4442, 0.4855.

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

17.8735, 0.4442, 0.4855

Protanopia

17.9500, 0.4391, 0.4876

Deuteranopia

17.7901, 0.4675, 0.4580



Tritanopia

17.9724, 0.3476, 0.3150

Trichromacy



Original Color

17.8735, 0.4442, 0.4855

Protanomaly

18.0296, 0.4408, 0.4869

Deuteranomaly

17.7593, 0.4596, 0.4676

Tritanomaly

17.5717, 0.4001, 0.3977

Monochromacy



Original Color

17.8735, 0.4442, 0.4855

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8696, 0.3759, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8735, 0.4442, 0.4855 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(135, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 117, 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(135, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.8735, 0.4442, 0.4855 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(135, 117, 0) }
```

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

```
.border{ border-color:rgb(135, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(135, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8735, 0.4442, 0.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 117, 0) }
```

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

```
.background{ background-color: rgb(135,  
117, 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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