

Converting Colors

$Y_{xy}(12.6550, 0.4847, 0.4449)$

Have a look what the booklet for
Yxy(12.6550, 0.4847, 0.4449)
contains.

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Color

Yxy(12.6550, 0.4847, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	875B0A
RGB	135, 91, 10
RGB Percent	53%, 36%, 4%
CMY	0.4706, 0.6431, 0.9609
CMYK	0.00, 0.33, 0.93, 0.47
HSL	39°, 86%, 28%
HSV	39°, 93%, 53%
XYZ	13.7871, 12.6550, 2.0025
YIQ	94.9220, 52.2250, -15.8630

Conversions

Conversions Part 2

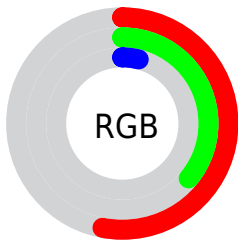
Format	Color
RYB	78, 135, 10
Decimal	8870666
CIELab	42.24, 11.68, 47.62
CIELCh	42, 49.032, 76.214
Yxy	12.6550, 0.4847, 0.4449
Android (android.graphics.Color)	4287060746 (0xFF875B0A)
YUV	94.9220, -41.8665, 35.1484
Hunter-Lab	35.5739, 6.9256, 21.5642

Details

The Yxy color **12.6550, 0.4847, 0.4449** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.4493, 0.1724, 0.1319**, and the grayscale version is **11.5168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6264, 0.4478, 0.4261**, and **3.5822, 0.5119, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **12.0472, 0.4959, 0.4445**, and if you desaturate by 10%, it is **13.5357, 0.4686, 0.4432**.

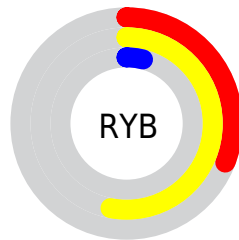
Distribution



Red (53%)

Green (36%)

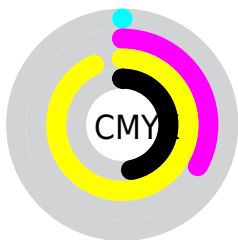
Blue (4%)



Red (31%)

Yellow (53%)

Blue (4%)

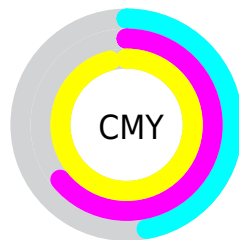


Cyan (0%)

Magenta (33%)

Yellow (93%)

Black (47%)



Cyan (47%)


Magenta (64%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6550, 0.4847, 0.4449 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 12.6550, 0.4847, 0.4449 by changing the saturation by 10% instead.


 12.6550, 0.4847,
0.4449


 12.6550, 0.4847,
0.4449


208.6946, 0.3875,
0.3861

 7.1914, 0.5097,
0.4551


 30.6826, 0.4484,
0.4260


 3.5821, 0.5386,
0.4614

 44.0153, 0.4348,
0.4177

 1.4427, 0.5558,
0.4442

 60.7400, 0.4234,
0.4105

 0.2478, 0.6776,
0.3224

 81.2408, 0.4138,
0.4043


 0.0000, 0.0000,
0.0000


 105.9023, 0.4057,
0.3988

 135.1089, 0.3988,


0.3940

 169.2448, 0.3927,
0.3898

 12.6550, 0.4847,
0.4449


 12.6550, 0.4847,
0.4449


 12.0472, 0.4959,
0.4445

 13.5357, 0.4686,
0.4432

 14.4959, 0.4499,
0.4368

 15.5406, 0.4296,
0.4264

 16.6739, 0.4086,
0.4131

 17.8994, 0.3878,
0.3978

■ 19.2204, 0.3679,
0.3815

■ 20.6399, 0.3493,
0.3649

■ 22.1608, 0.3321,
0.3486

■ 23.7858, 0.3165,
0.3329

Harmonies

Analogous

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



12.6550, 0.5176, 0.3723



12.6550, 0.4847, 0.4449



12.6550, 0.4085, 0.5085

Triad

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



12.6550, 0.4847, 0.4449



12.6550, 0.1640, 0.3218



12.6550, 0.2813, 0.1992

Complementary

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



12.6550, 0.4847, 0.4449



4.4493, 0.1724, 0.1319

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.



12.6550, 0.2003, 0.1797



12.6550, 0.4847, 0.4449



12.6550, 0.1427, 0.2321

Square

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



12.6550, 0.4847, 0.4449



12.6550, 0.2241, 0.4431



12.6550, 0.1551, 0.1882



12.6550, 0.3889, 0.2430

Rectangle

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



12.6550, 0.4847, 0.4449



12.6550, 0.3462, 0.5262



12.6550, 0.1551, 0.1882



12.6550, 0.2504, 0.1898

Sweetspot

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



12.6556, 0.4847, 0.4449



35.4121, 0.3603, 0.3749



5.6511, 0.5222, 0.2730



7.9814, 0.3676, 0.3812



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.



12.6556, 0.4847, 0.4449



21.2671, 0.4979, 0.4428



21.2234, 0.3961, 0.5178



5.1545, 0.3265, 0.3430



11.1352, 0.4955, 0.4448



0.0523, 0.4546, 0.4772

Inverse Universe

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



4.4493, 0.1724, 0.1319



6.5685, 0.1648, 0.1134



2.1941, 0.1630, 0.0726



4.7929, 0.2992, 0.3146



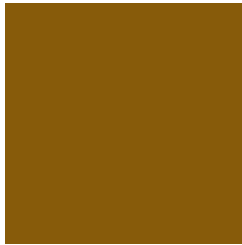
3.5485, 0.1661, 0.1179



0.0251, 0.1888, 0.1996

Previews

White Background



This preview shows how the Yxy color 12.6550, 0.4847, 0.4449 looks on a white background.

Color Contrast Check

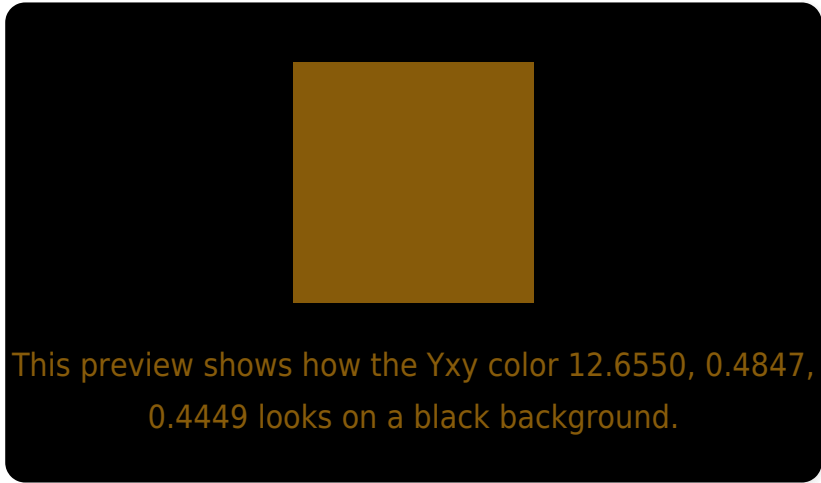
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 12.6550, 0.4847, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 12.6550, 0.4847, 0.4449.



This preview shows how white text looks on a background with the Yxy color 12.6550, 0.4847, 0.4449.

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

12.6550, 0.4847, 0.4449

Protanopia

12.6541, 0.4347, 0.4809

Deuteranopia

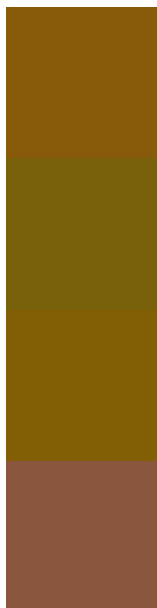
12.6964, 0.4702, 0.4648



Tritanopia

12.7413, 0.3941, 0.3181

Trichromacy



Original Color

12.6550, 0.4847, 0.4449

Protanomaly

12.6409, 0.4526, 0.4680

Deuteranomaly

12.7600, 0.4747, 0.4578

Tritanomaly

12.5675, 0.4401, 0.3748

Monochromacy



Original Color

12.6550, 0.4847, 0.4449

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.6906, 0.3843, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6550, 0.4847, 0.4449 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, 91, 10)` looks like.

```
.text, #text, p{  
    color:rgb(135, 91, 10)  
}
```

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, 91, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 91, 10) }
```

Border

The CSS property to change the border of an element to Yxy 12.6550, 0.4847, 0.4449 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, 91, 10) }
```

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

```
.border{ border-color:rgb(135, 91, 10) }
```

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

Here you see how a box with a 4 pixel rgb(135, 91, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 91, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 91, 10);  
box-shadow:4px 4px 4px 4px rgb(135, 91,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6550, 0.4847, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 91, 10) }
```

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

```
.background{ background-color: rgb(135, 91,  
10) }
```

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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