

Converting Colors

$Y_{xy}(12.2484, 0.5176, 0.4824)$

Have a look what the booklet for
Yxy(12.2484, 0.5176, 0.4824)
contains.

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Color

Yxy(12.3807, 0.4896, 0.4494)

Conversions

Conversions Part 1

Format	Color
Hex	865A00
RGB	134, 90, 0
RGB Percent	53%, 35%, 0%
CMY	0.4745, 0.6470, 0.9998
CMYK	0.00, 0.33, 1.00, 0.47
HSL	40°, 100%, 26%
HSV	40°, 100%, 53%
XYZ	13.4882, 12.3807, 1.6805
YIQ	92.8960, 55.1140, -18.6620

Conversions

Conversions Part 2

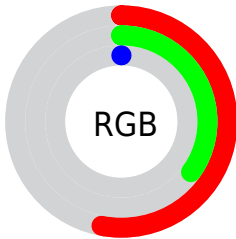
Format	Color
RYB	66, 134, 0
Decimal	8804864
CIELab	41.81, 11.60, 49.89
CIELCh	42, 51.216, 76.911
Yxy	12.3807, 0.4896, 0.4494
Android (android.graphics.Color)	4286994944 (0xFF865A00)
YUV	92.8960, -45.7977, 36.0482
Hunter-Lab	35.1862, 6.8498, 21.7986

Details

The Yxy color **12.3807, 0.4896, 0.4494** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.5277, 0.1643, 0.1113**, and the grayscale version is **11.0221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2681, 0.4534, 0.4305**, and **3.5390, 0.5098, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **12.3777, 0.4897, 0.4494**, and if you desaturate by 10%, it is **13.1762, 0.4755, 0.4493**.

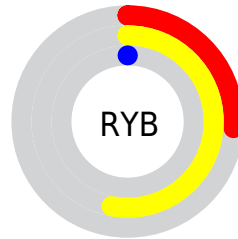
Distribution



Red (53%)

Green (35%)

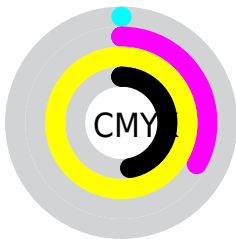
Blue (0%)



Red (26%)

Yellow (53%)

Blue (0%)

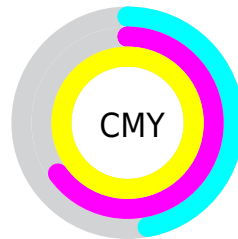


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3807, 0.4896, 0.4494 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 12.3807, 0.4896, 0.4494 by changing the saturation by 10% instead.


 12.3807, 0.4896,
0.4494


 12.3807, 0.4896,
0.4494


 206.9096, 0.3904,
0.3891


 7.0035, 0.5163,
0.4609

 30.1866, 0.4532,
0.4306


 3.4643, 0.5388,
0.4612


 43.3841, 0.4393,
0.4222


 1.3787, 0.5563,
0.4437

 59.9571, 0.4276,
0.4147

 0.2009, 0.7024,
0.2976


 80.2902, 0.4177,
0.4082


 0.0000, 0.0000,
0.0000

 104.7675, 0.4094,
0.4025

 133.7736, 0.4021,


0.3975

 167.6928, 0.3959,
0.3931


 12.3807, 0.4896,
0.4494


 12.3807, 0.4896,
0.4494


 12.3777, 0.4897,
0.4494

 13.1762, 0.4755,
0.4493

 14.0340, 0.4597,
0.4458

 14.9655, 0.4415,
0.4378

 15.9748, 0.4218,
0.4262

 17.0655, 0.4016,
0.4118

■ 18.2411, 0.3815,
0.3956

■ 19.5043, 0.3623,
0.3787

■ 20.8581, 0.3443,
0.3616

■ 22.3052, 0.3277,
0.3449

Harmonies

Analogous

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



12.3807, 0.5269, 0.3738



12.3807, 0.4896, 0.4494



12.3807, 0.4087, 0.5173

Triad

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



12.3807, 0.4896, 0.4494



12.3807, 0.1566, 0.3178



12.3807, 0.2818, 0.1949

Complementary

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



12.3807, 0.4896, 0.4494



3.5277, 0.1643, 0.1113

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.



12.3807, 0.1969, 0.1741



12.3807, 0.4896, 0.4494



12.3807, 0.1361, 0.2254

Square

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



12.3807, 0.4896, 0.4494



12.3807, 0.2173, 0.4469



12.3807, 0.1497, 0.1818



12.3807, 0.3952, 0.2405

Rectangle

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



12.3807, 0.4896, 0.4494



12.3807, 0.3436, 0.5368



12.3807, 0.1497, 0.1818



12.3807, 0.2493, 0.1850

Sweetspot

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



12.3813, 0.4896, 0.4494



34.2013, 0.3636, 0.3799



5.2571, 0.5573, 0.2844



7.5230, 0.3704, 0.3860



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.



12.3813, 0.4896, 0.4494



21.5218, 0.4915, 0.4479



20.4744, 0.3909, 0.5277



5.1720, 0.3264, 0.3435



11.6194, 0.4894, 0.4496



0.0536, 0.4517, 0.4796

Inverse Universe

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



3.5277, 0.1643, 0.1113



5.9552, 0.1632, 0.1075



1.8977, 0.1589, 0.0649



4.7760, 0.2992, 0.3140



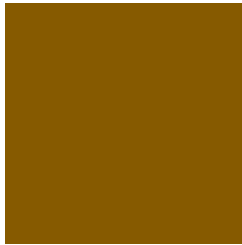
3.3206, 0.1644, 0.1117



0.0238, 0.1868, 0.1926

Previews

White Background



This preview shows how the Yxy color 12.3807, 0.4896, 0.4494 looks on a white background.

Color Contrast Check

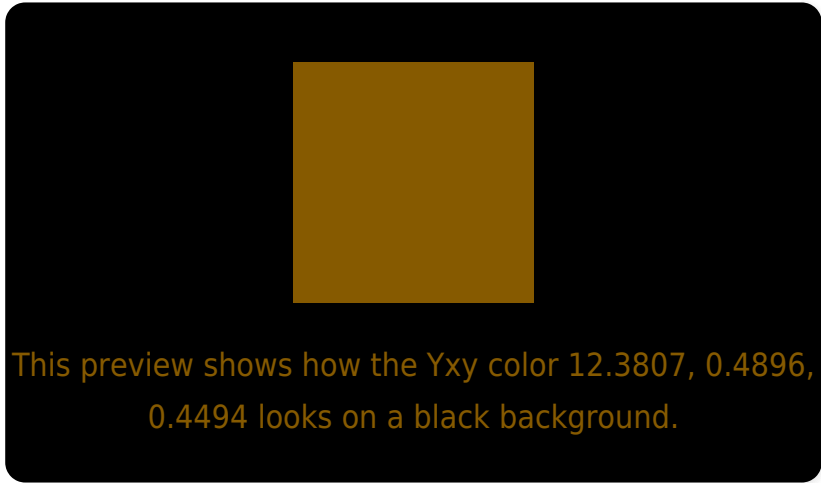
Large Text (above 18pt) WCAG AA ✓ Pass

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

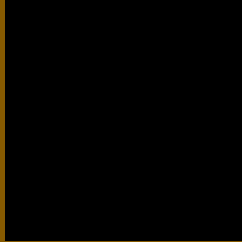
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3807, 0.4896, 0.4494

Background



This preview shows how black text looks on a background with the Yxy color 12.3807, 0.4896, 0.4494.



This preview shows how white text looks on a background with the Yxy color 12.3807, 0.4896, 0.4494.

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

12.3807, 0.4896, 0.4494

Protanopia

12.3881, 0.4365, 0.4831

Deuteranopia

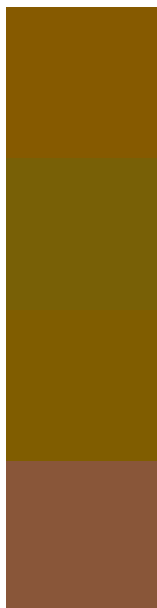
12.3654, 0.4692, 0.4656



Tritanopia

12.4821, 0.3949, 0.3181

Trichromacy



Original Color

12.3807, 0.4896, 0.4494

Protanomaly

12.3720, 0.4554, 0.4711

Deuteranomaly

12.4179, 0.4755, 0.4607

Tritanomaly

12.2693, 0.4476, 0.3818

Monochromacy



Original Color

12.3807, 0.4896, 0.4494

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.1582, 0.3902, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3807, 0.4896, 0.4494 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(134, 90, 0)` looks like.

```
.text, #text, p{  
  color:rgb(134, 90, 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(134, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3807, 0.4896, 0.4494 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(134, 90, 0) }
```

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

```
.border{ border-color:rgb(134, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(134, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3807, 0.4896, 0.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 90, 0) }
```

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

```
.background{ background-color: rgb(134, 90,  
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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