

Converting Colors

$Y_{xy}(15.8750, 0.4956, 0.4447)$

Have a look what the booklet for
Yxy(15.8750, 0.4956, 0.4447)
contains.

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Color

Yxy(15.8866, 0.4954, 0.4448)

Conversions

Conversions Part 1

Format	Color
Hex	996400
RGB	153, 100, 0
RGB Percent	60%, 39%, 0%
CMY	0.4000, 0.6078, 0.9997
CMYK	0.00, 0.35, 1.00, 0.40
HSL	39°, 100%, 30%
HSV	39°, 100%, 60%
XYZ	17.6938, 15.8866, 2.1358
YIQ	104.4470, 63.6880, -19.8640

Conversions

Conversions Part 2

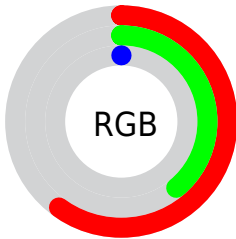
Format	Color
R _Y B	81, 153, 0
Decimal	10052608
CIE Lab	46.83, 14.70, 54.38
CIE LCh	47, 56.332, 74.878
Yxy	15.8866, 0.4954, 0.4448
Android (android.graphics.Color)	4288242688 (0xFF996400)
YUV	104.4470, -51.4924, 42.5810
Hunter-Lab	39.8580, 9.4886, 24.7235

Details

The Yxy color **15.8866, 0.4954, 0.4448** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.8524, 0.1650, 0.1140**, and the grayscale version is **14.1007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4672, 0.4600, 0.4294**, and **5.0330, 0.5176, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **15.8823, 0.4955, 0.4448**, and if you desaturate by 10%, it is **16.9733, 0.4810, 0.4460**.

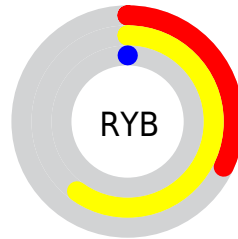
Distribution



Red (60%)

Green (39%)

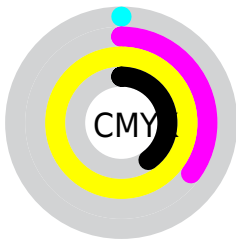
Blue (0%)



Red (32%)

Yellow (60%)

Blue (0%)

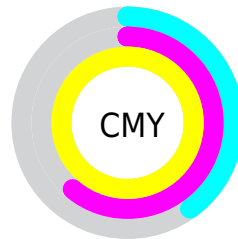


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8866, 0.4954, 0.4448 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 15.8866, 0.4954, 0.4448 by changing the saturation by 10% instead.


 15.8866, 0.4954,
0.4448


 15.8866, 0.4954,
0.4448


228.6716, 0.3967,
0.3907


 9.4439, 0.5179,
0.4517


 36.4012, 0.4602,
0.4290


 5.0319, 0.5446,
0.4554

 51.2420, 0.4464,
0.4215


 2.2660, 0.5611,
0.4389

 69.6509, 0.4348,
0.4148

 0.7556, 0.5927,
0.4073

 92.0124, 0.4248,
0.4088


 0.0000, 1.0000,
0.0000

 118.7108, 0.4163,
0.4034

 0.0000, 0.0000,
0.0000

 150.1305, 0.4089,


0.3987


 186.6560, 0.4024,
0.3944


 15.8866, 0.4954,
0.4448


 15.8866, 0.4954,
0.4448


 15.8823, 0.4955,
0.4448

 16.9733, 0.4810,
0.4460

 18.1528, 0.4645,
0.4433

 19.4390, 0.4455,
0.4360

 20.8381, 0.4249,
0.4247

 22.3551, 0.4039,
0.4106

■ 23.9948, 0.3831,
0.3948

■ 25.7616, 0.3633,
0.3780

■ 27.6595, 0.3449,
0.3612

■ 29.6924, 0.3280,
0.3447

Harmonies

Analogous

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



15.8866, 0.5294, 0.3687



15.8866, 0.4954, 0.4448



15.8866, 0.4155, 0.5154

Triad

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



15.8866, 0.4954, 0.4448



15.8866, 0.1579, 0.3257



15.8866, 0.2744, 0.1914

Complementary

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



15.8866, 0.4954, 0.4448



4.8524, 0.1650, 0.1140

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.



15.8866, 0.1914, 0.1723



15.8866, 0.4954, 0.4448



15.8866, 0.1348, 0.2288

Square

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



15.8866, 0.4954, 0.4448



15.8866, 0.2217, 0.4570



15.8866, 0.1463, 0.1820



15.8866, 0.3881, 0.2358

Rectangle

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



15.8866, 0.4954, 0.4448



15.8866, 0.3504, 0.5390



15.8866, 0.1463, 0.1820



15.8866, 0.2424, 0.1820

Sweetspot

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



15.8874, 0.4954, 0.4448



45.9288, 0.3646, 0.3791



7.0361, 0.5539, 0.2826



9.8677, 0.3721, 0.3856



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



15.8874, 0.4954, 0.4448



28.0875, 0.4973, 0.4433



27.5317, 0.3935, 0.5257



6.8623, 0.3268, 0.3435



13.1910, 0.4948, 0.4454



0.2645, 0.4554, 0.4766

Inverse Universe

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



4.8524, 0.1650, 0.1140



8.3657, 0.1640, 0.1105



2.4837, 0.1570, 0.0639



6.3590, 0.2988, 0.3141



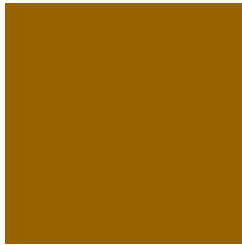
4.0641, 0.1653, 0.1152



0.1243, 0.1879, 0.1963

Previews

White Background



This preview shows how the Yxy color 15.8866, 0.4954, 0.4448 looks on a white background.

Color Contrast Check

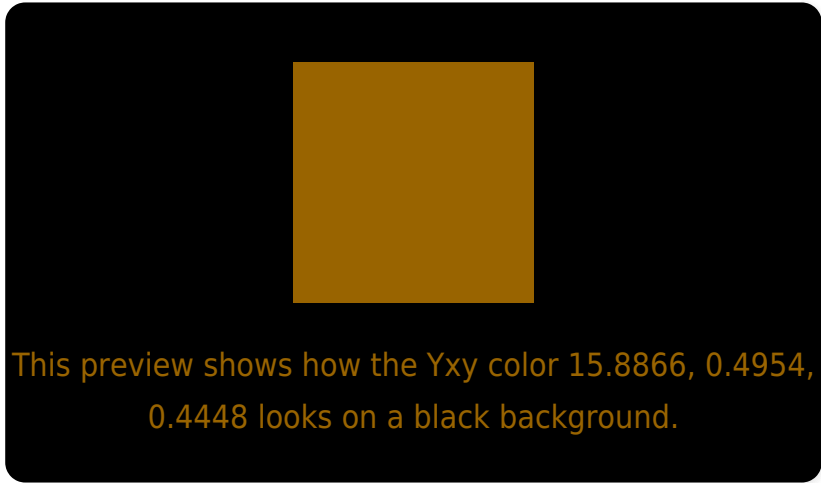
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8866, 0.4954, 0.4448

Background



This preview shows how black text looks on a background with the Yxy color 15.8866, 0.4954, 0.4448.



This preview shows how white text looks on a background with the Yxy color 15.8866, 0.4954, 0.4448.

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

15.8866, 0.4954, 0.4448

Protanopia

16.0481, 0.4360, 0.4840

Deuteranopia

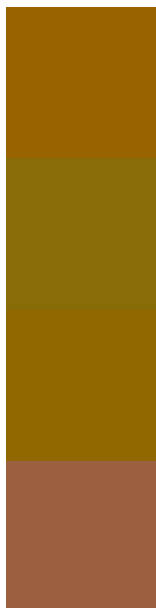
15.9708, 0.4699, 0.4651



Tritanopia

15.9169, 0.4015, 0.3177

Trichromacy



Original Color

15.8866, 0.4954, 0.4448

Protanomaly

15.9747, 0.4576, 0.4699

Deuteranomaly

15.9204, 0.4786, 0.4582

Tritanomaly

15.8038, 0.4531, 0.3805

Monochromacy



Original Color

15.8866, 0.4954, 0.4448

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.2314, 0.3931, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8866, 0.4954, 0.4448 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(153, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 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(153, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.8866, 0.4954, 0.4448 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(153, 100, 0) }
```

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

```
.border{ border-color:rgb(153, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8866, 0.4954, 0.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 0) }
```

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

```
.background{ background-color: rgb(153,  
100, 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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