

Converting Colors

$Y_{xy}(13.7915, 0.4828, 0.4549)$

Have a look what the booklet for
Yxy(13.7915, 0.4828, 0.4549)
contains.

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Color

Yxy(13.7690, 0.4837, 0.4542)

Conversions

Conversions Part 1

Format	Color
Hex	8A6000
RGB	138, 96, 0
RGB Percent	54%, 38%, 0%
CMY	0.4588, 0.6235, 1.0000
CMYK	0.00, 0.30, 1.00, 0.46
HSL	42°, 100%, 27%
HSV	42°, 100%, 54%
XYZ	14.6633, 13.7690, 1.8826
YIQ	97.6140, 55.8480, -20.9520

Conversions

Conversions Part 2

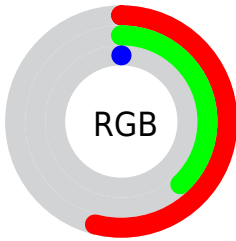
Format	Color
RYB	60, 138, 0
Decimal	9068544
CIELab	43.90, 9.98, 51.56
CIELCh	44, 52.516, 79.050
Yxy	13.7690, 0.4837, 0.4542
Android (android.graphics.Color)	4287258624 (0xFF8A6000)
YUV	97.6140, -48.1237, 35.4185
Hunter-Lab	37.1066, 5.6007, 22.9666

Details

The Yxy color **13.7690, 0.4837, 0.4542** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.4900, 0.1624, 0.1047**, and the grayscale version is **12.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6093, 0.4506, 0.4343**, and **4.1202, 0.5022, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **13.7699, 0.4837, 0.4542**, and if you desaturate by 10%, it is **14.5879, 0.4708, 0.4537**.

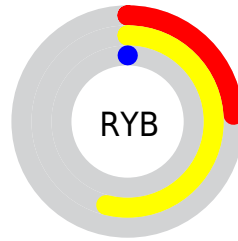
Distribution



Red (54%)

Green (38%)

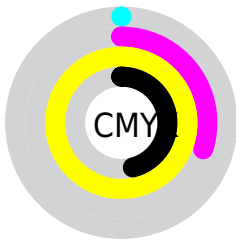
Blue (0%)



Red (24%)

Yellow (54%)

Blue (0%)

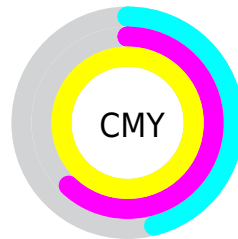


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7690, 0.4837, 0.4542 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 13.7690, 0.4837, 0.4542 by changing the saturation by 10% instead.


 13.7690, 0.4837,
0.4542


 13.7690, 0.4837,
0.4542


 215.7890, 0.3897,
0.3916

 7.9602, 0.5066,
0.4652


 32.6786, 0.4498,
0.4344


 4.0695, 0.5296,
0.4704

 46.5481, 0.4366,
0.4256


 1.7125, 0.5431,
0.4569

 63.8734, 0.4255,
0.4180

 0.4317, 0.6023,
0.3977

 85.0388, 0.4161,
0.4112


 0.0000, 0.0000,
0.0000


 110.4286, 0.4080,
0.4053


 140.4273, 0.4011,


0.4002

 175.4193, 0.3950,
0.3956


 13.7690, 0.4837,
0.4542


 13.7690, 0.4837,
0.4542


 13.7699, 0.4837,
0.4542

 14.5879, 0.4708,
0.4537

 15.4671, 0.4560,
0.4499

 16.4186, 0.4388,
0.4416

 17.4468, 0.4200,
0.4296

 18.5554, 0.4005,
0.4148

■ 19.7478, 0.3809,
0.3981

■ 21.0269, 0.3621,
0.3806

■ 22.3959, 0.3443,
0.3629

■ 23.8572, 0.3278,
0.3456

Harmonies

Analogous

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



13.7690, 0.5245, 0.3791



13.7690, 0.4837, 0.4542



13.7690, 0.4016, 0.5192

Triad

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



13.7690, 0.4837, 0.4542



13.7690, 0.1552, 0.3099



13.7690, 0.2895, 0.1984

Complementary

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



13.7690, 0.4837, 0.4542



3.4900, 0.1624, 0.1047

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.



13.7690, 0.2027, 0.1758



13.7690, 0.4837, 0.4542



13.7690, 0.1373, 0.2219

Square

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



13.7690, 0.4837, 0.4542



13.7690, 0.2127, 0.4367



13.7690, 0.1532, 0.1814



13.7690, 0.4025, 0.2453

Rectangle

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



13.7690, 0.4837, 0.4542



13.7690, 0.3366, 0.5344



13.7690, 0.1532, 0.1814



13.7690, 0.2565, 0.1880

Sweetspot

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



13.7699, 0.4837, 0.4542



36.9169, 0.3633, 0.3817



5.5825, 0.5643, 0.2883



8.0934, 0.3700, 0.3882



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.



13.7699, 0.4837, 0.4542



23.9863, 0.4853, 0.4529



21.6664, 0.3880, 0.5301



5.5924, 0.3265, 0.3442



12.6522, 0.4834, 0.4544



0.1099, 0.4487, 0.4819

Inverse Universe

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



3.4900, 0.1624, 0.1047



5.9021, 0.1614, 0.1012



2.0454, 0.1600, 0.0655



5.1244, 0.2991, 0.3134



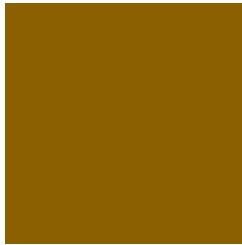
3.2235, 0.1626, 0.1053



0.0449, 0.1848, 0.1851

Previews

White Background



This preview shows how the Yxy color 13.7690, 0.4837, 0.4542 looks on a white background.

Color Contrast Check

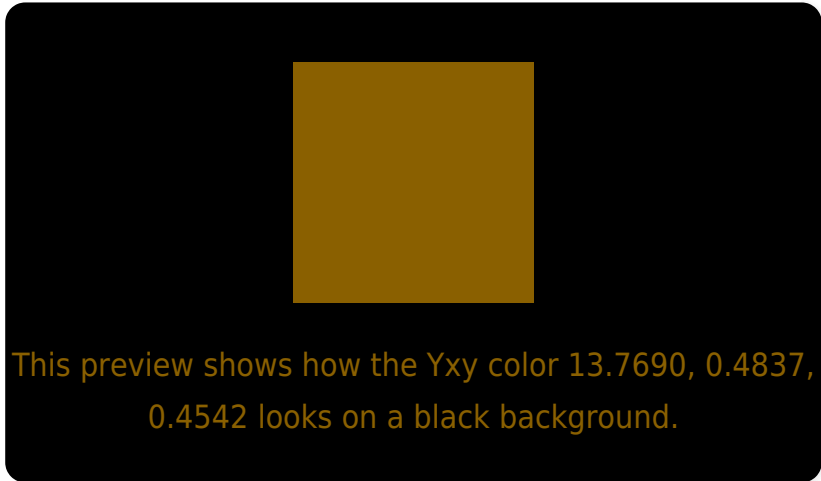
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7690, 0.4837, 0.4542

Background



This preview shows how black text looks on a background with the Yxy color 13.7690, 0.4837, 0.4542.



This preview shows how white text looks on a background with the Yxy color 13.7690, 0.4837, 0.4542.

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

13.7690, 0.4837, 0.4542

Protanopia

13.9744, 0.4359, 0.4846

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.7401, 0.3879, 0.3165

Trichromacy



Original Color

13.7690, 0.4837, 0.4542

Protanomaly

13.8759, 0.4524, 0.4741

Deuteranomaly

13.8037, 0.4746, 0.4614

Tritanomaly

13.6539, 0.4405, 0.3843

Monochromacy



Original Color

13.7690, 0.4837, 0.4542

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4079, 0.3896, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7690, 0.4837, 0.4542 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(138, 96, 0)` looks like.

```
.text, #text, p{  
  color:rgb(138, 96, 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(138, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 96, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7690, 0.4837, 0.4542 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(138, 96, 0) }
```

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

```
.border{ border-color:rgb(138, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 96, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7690, 0.4837, 0.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 96, 0) }
```

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

```
.background{ background-color: rgb(138, 96,  
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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