

Converting Colors

$Y_{xy}(13.6542, 0.4745, 0.5146)$

Have a look what the booklet for
Yxy(13.6542, 0.4745, 0.5146)
contains.

Yxy(13.9114, 0.4500, 0.4809)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9114, 0.4500, 0.4809)

Conversions

Conversions Part 1

Format	Color
Hex	7B6700
RGB	123, 103, 0
RGB Percent	48%, 40%, 0%
CMY	0.5177, 0.5961, 1.0000
CMYK	0.00, 0.16, 1.00, 0.52
HSL	50°, 100%, 24%
HSV	50°, 100%, 48%
XYZ	13.0175, 13.9114, 1.9989
YIQ	97.2380, 44.9830, -27.7930

Conversions

Conversions Part 2

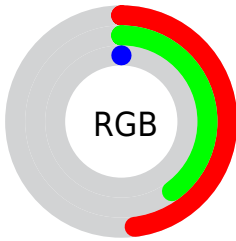
Format	Color
R_{YB}	24, 123, 0
Decimal	8087296
CIE Lab	44.11, -1.34, 50.87
CIE LCh	44, 50.888, 91.514
Yxy	13.9114, 0.4500, 0.4809
Android (android.graphics.Color)	4286277376 (0xFF7B6700)
YUV	97.2380, -47.9383, 22.5933
Hunter-Lab	37.2980, -2.9724, 22.9311

Details

The Yxy color **13.9114, 0.4500, 0.4809** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9295, 0.1551, 0.0782**, and the grayscale version is **12.1280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0212, 0.4241, 0.4523**, and **4.2283, 0.4521, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **13.9121, 0.4500, 0.4809**, and if you desaturate by 10%, it is **14.3417, 0.4421, 0.4772**.

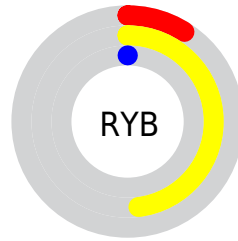
Distribution



Red (48%)

Green (40%)

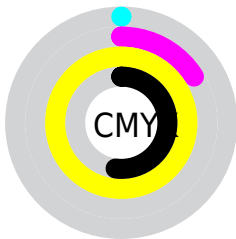
Blue (0%)



Red (9%)

Yellow (48%)

Blue (0%)

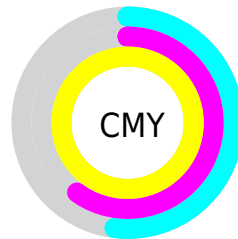


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (52%)



Cyan (52%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9114, 0.4500, 0.4809 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 13.9114, 0.4500, 0.4809 by changing the saturation by 10% instead.


 13.9114, 0.4500,
0.4809


 13.9114, 0.4500,
0.4809

 216.6789, 0.3764,
0.3985


 8.0591, 0.4660,
0.4996


 32.9317, 0.4243,
0.4517


 4.1328, 0.4815,
0.5185

 46.8685, 0.4140,
0.4402


 1.7481, 0.4795,
0.5205

 64.2689, 0.4052,
0.4304

 0.4545, 0.4676,
0.5324


 85.5174, 0.3977,
0.4220


 0.0000, 0.0000,
0.0000


 110.9982, 0.3912,
0.4149


 141.0958, 0.3856,


0.4087


 176.1946, 0.3807,
0.4033


 13.9114, 0.4500,
0.4809


 13.9114, 0.4500,
0.4809


 13.9121, 0.4500,
0.4809

 14.3417, 0.4421,
0.4772

 14.7948, 0.4326,
0.4708

 15.2808, 0.4207,
0.4602

 15.8025, 0.4067,
0.4460

 16.3624, 0.3913,
0.4289

■ 16.9625, 0.3752,
0.4099

■ 17.6050, 0.3588,
0.3896

■ 18.2915, 0.3427,
0.3690

■ 19.0237, 0.3273,
0.3487

Harmonies

Analogous

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



13.9114, 0.5089, 0.4093



13.9114, 0.4500, 0.4809



13.9114, 0.3613, 0.5261

Triad

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



13.9114, 0.4500, 0.4809



13.9114, 0.1479, 0.2696



13.9114, 0.3347, 0.2184

Complementary

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



13.9114, 0.4500, 0.4809



1.9295, 0.1551, 0.0782

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.



13.9114, 0.2367, 0.1858



13.9114, 0.4500, 0.4809



13.9114, 0.1443, 0.2040

Square

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



13.9114, 0.4500, 0.4809



13.9114, 0.1879, 0.3809



13.9114, 0.1732, 0.1794



13.9114, 0.4429, 0.2721

Rectangle

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



13.9114, 0.4500, 0.4809



13.9114, 0.2968, 0.5153



13.9114, 0.1732, 0.1794



13.9114, 0.2989, 0.2048

Sweetspot

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



13.9121, 0.4500, 0.4809



31.4442, 0.3600, 0.3911



4.2625, 0.6087, 0.3127



7.3095, 0.3657, 0.3983



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.9121, 0.4500, 0.4809



24.7430, 0.4508, 0.4802



15.9569, 0.3636, 0.5495



4.5284, 0.3259, 0.3468



14.3880, 0.4500, 0.4809



67.5837, 0.4519, 0.4794

Inverse Universe

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



1.9295, 0.1551, 0.0782



3.3042, 0.1542, 0.0752



1.9012, 0.1777, 0.0753



3.9891, 0.2994, 0.3106



1.9904, 0.1550, 0.0780



8.6439, 0.1533, 0.0719

Previews

White Background



This preview shows how the Yxy color 13.9114, 0.4500, 0.4809 looks on a white background.

Color Contrast Check

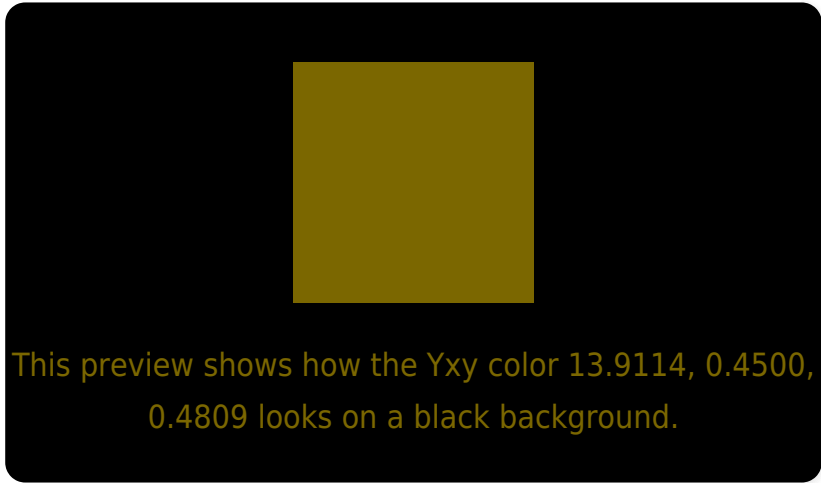
Large Text (above 18pt) WCAG AA ✓ Pass

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

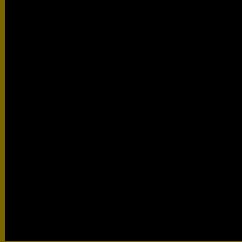
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9114, 0.4500, 0.4809

Background



This preview shows how black text looks on a background with the Yxy color 13.9114, 0.4500, 0.4809.

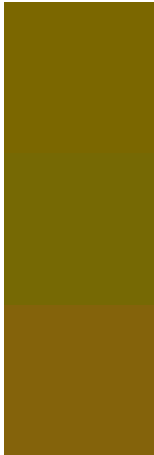


This preview shows how white text looks on a background with the Yxy color 13.9114, 0.4500, 0.4809.

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

13.9114, 0.4500, 0.4809

Protanopia

13.9635, 0.4378, 0.4873

Deuteranopia

13.8534, 0.4657, 0.4596



Tritanopia

14.0121, 0.3532, 0.3155

Trichromacy



Original Color

13.9114, 0.4500, 0.4809

Protanomaly

13.9003, 0.4428, 0.4841

Deuteranomaly

13.7968, 0.4613, 0.4663

Tritanomaly

13.8291, 0.4045, 0.3940

Monochromacy



Original Color

13.9114, 0.4500, 0.4809

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.3357, 0.3764, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9114, 0.4500, 0.4809 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(123, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 103, 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(123, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.9114, 0.4500, 0.4809 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(123, 103, 0) }
```

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

```
.border{ border-color:rgb(123, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9114, 0.4500, 0.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 103, 0) }
```

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

```
.background{ background-color: rgb(123,  
103, 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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