

Converting Colors

$Y_{xy}(14.8718, 0.4902, 0.4404)$

Have a look what the booklet for
Yxy(14.8718, 0.4902, 0.4404)
contains.

Yxy(14.8718, 0.4902, 0.4404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.8718, 0.4902, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	94610C
RGB	148, 97, 12
RGB Percent	58%, 38%, 5%
CMY	0.4196, 0.6196, 0.9532
CMYK	0.00, 0.34, 0.92, 0.42
HSL	38°, 85%, 31%
HSV	38°, 92%, 58%
XYZ	16.5535, 14.8718, 2.3436
YIQ	102.5590, 57.6810, -15.6230

Conversions

Conversions Part 2

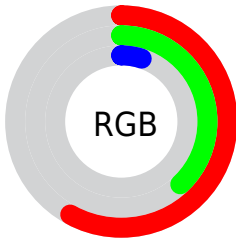
Format	Color
R_{YB}	94, 148, 12
Decimal	9724172
CIE Lab	45.46, 14.32, 50.33
CIE LCh	45, 52.326, 74.119
Yxy	14.8718, 0.4902, 0.4404
Android (android.graphics.Color)	4287914252 (0xFF94610C)
YUV	102.5590, -44.6456, 39.8518
Hunter-Lab	38.5640, 9.1337, 23.3917

Details

The Yxy color **14.8718, 0.4902, 0.4404** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.7626, 0.1740, 0.1379**, and the grayscale version is **13.5481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7069, 0.4529, 0.4242**, and **4.6430, 0.5163, 0.4283** is the 20% darker color. If you saturate the color by 10%, you get **14.0429, 0.5028, 0.4390**, and if you desaturate by 10%, it is **15.9853, 0.4729, 0.4392**.

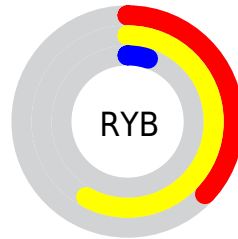
Distribution



Red (58%)

Green (38%)

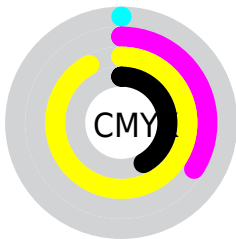
Blue (5%)



Red (37%)

Yellow (58%)

Blue (5%)

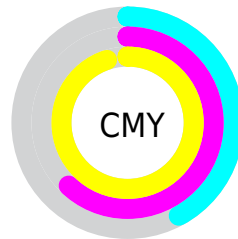


Cyan (0%)

Magenta (34%)

Yellow (92%)

Black (42%)



Cyan (42%)


Magenta (62%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8718, 0.4902, 0.4404 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 14.8718, 0.4902, 0.4404 by changing the saturation by 10% instead.


 14.8718, 0.4902,
0.4404


 14.8718, 0.4902,
0.4404


222.5889, 0.3921,
0.3865


 8.7295, 0.5135,
0.4478


 34.6281, 0.4542,
0.4239


 4.5651, 0.5450,
0.4550

 49.0109, 0.4405,
0.4164


 1.9945, 0.5623,
0.4377

 66.9093, 0.4290,
0.4098

 0.6042, 0.6053,
0.3947

 88.7076, 0.4193,
0.4039


 0.0000, 0.0000,
0.0000

 114.7904, 0.4109,
0.3987


 145.5419, 0.4038,


0.3942

 181.3467, 0.3975,
0.3901


 14.8718, 0.4902,
0.4404

 14.8718, 0.4902,
0.4404

 14.0429, 0.5028,
0.4390

 15.9853, 0.4729,
0.4392

 17.2056, 0.4531,
0.4332

 18.5393, 0.4316,
0.4231

 19.9918, 0.4097,
0.4100

 21.5677, 0.3881,
0.3951

■ 23.2714, 0.3677,
0.3791

■ 25.1069, 0.3486,
0.3629

■ 27.0780, 0.3312,
0.3471

■ 29.1883, 0.3156,
0.3319

Harmonies

Analogous

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



14.8718, 0.5197, 0.3673



14.8718, 0.4902, 0.4404



14.8718, 0.4153, 0.5067

Triad

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



14.8718, 0.4902, 0.4404



14.8718, 0.1655, 0.3296



14.8718, 0.2740, 0.1959

Complementary

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



14.8718, 0.4902, 0.4404



5.7626, 0.1740, 0.1379

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.



14.8718, 0.1949, 0.1780



14.8718, 0.4902, 0.4404



14.8718, 0.1416, 0.2357

Square

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



14.8718, 0.4902, 0.4404



14.8718, 0.2286, 0.4526



14.8718, 0.1518, 0.1887



14.8718, 0.3819, 0.2384

Rectangle

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



14.8718, 0.4902, 0.4404



14.8718, 0.3530, 0.5282



14.8718, 0.1518, 0.1887



14.8718, 0.2436, 0.1870

Sweetspot

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



14.8726, 0.4902, 0.4404



42.1293, 0.3611, 0.3736



6.9284, 0.5164, 0.2696



9.3323, 0.3688, 0.3800



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



14.8726, 0.4902, 0.4404



24.4396, 0.5049, 0.4373



26.1218, 0.3987, 0.5159



6.3830, 0.3268, 0.3428



12.0482, 0.5022, 0.4395



0.2043, 0.4577, 0.4748

Inverse Universe

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



5.7626, 0.1740, 0.1379



8.3655, 0.1663, 0.1186



2.6435, 0.1616, 0.0718



5.9679, 0.2989, 0.3148



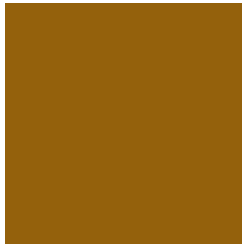
4.2473, 0.1676, 0.1232



0.1053, 0.1906, 0.2062

Previews

White Background



This preview shows how the Yxy color 14.8718, 0.4902, 0.4404 looks on a white background.

Color Contrast Check

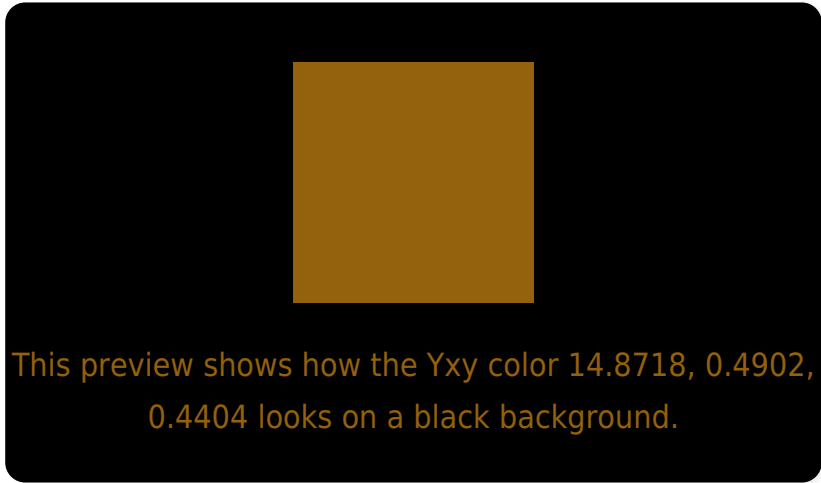
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8718, 0.4902, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 14.8718, 0.4902, 0.4404.



This preview shows how white text looks on a background with the Yxy color 14.8718, 0.4902, 0.4404.

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

14.8718, 0.4902, 0.4404

Protanopia

14.9001, 0.4344, 0.4801

Deuteranopia

14.8211, 0.4715, 0.4638



Tritanopia

14.8508, 0.4009, 0.3173

Trichromacy



Original Color

14.8718, 0.4902, 0.4404

Protanomaly

14.7604, 0.4542, 0.4656

Deuteranomaly

14.7858, 0.4789, 0.4550

Tritanomaly

14.8014, 0.4466, 0.3743

Monochromacy



Original Color

14.8718, 0.4902, 0.4404

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6715, 0.3845, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8718, 0.4902, 0.4404 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(148, 97, 12)` looks like.

```
.text, #text, p{  
  color:rgb(148, 97, 12)  
}
```

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(148, 97, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 97, 12) }
```

Border

The CSS property to change the border of an element to Yxy 14.8718, 0.4902, 0.4404 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(148, 97, 12) }
```

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

```
.border{ border-color:rgb(148, 97, 12) }
```

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

Here you see how a box with a 4 pixel rgb(148, 97, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 97, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 97, 12);  
box-shadow:4px 4px 4px 4px rgb(148, 97,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8718, 0.4902, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 97, 12) }
```

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

```
.background{ background-color: rgb(148, 97,  
12) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor