

Converting Colors

$Y_{xy}(14.0619, 0.4665, 0.4581)$

Have a look what the booklet for
Yxy(14.0619, 0.4665, 0.4581)
contains.

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Color

Yxy(13.9368, 0.4667, 0.4580)

Conversions

Conversions Part 1

Format	Color
Hex	85630C
RGB	133, 99, 12
RGB Percent	52%, 39%, 5%
CMY	0.4784, 0.6118, 0.9527
CMYK	0.00, 0.26, 0.91, 0.48
HSL	43°, 83%, 28%
HSV	43°, 91%, 52%
XYZ	14.2015, 13.9368, 2.2914
YIQ	99.2480, 48.1910, -19.8490

Conversions

Conversions Part 2

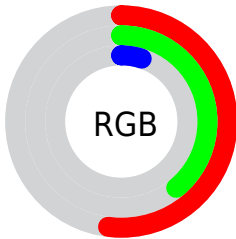
Format	Color
R_{YB}	59, 133, 12
Decimal	8741644
CIE _{Lab}	44.14, 6.09, 48.48
CIE _{LCh}	44, 48.857, 82.844
Yxy	13.9368, 0.4667, 0.4580
Android (android.graphics.Color)	4286931724 (0xFF85630C)
YUV	99.2480, -43.0133, 29.6005
Hunter-Lab	37.3320, 2.5724, 22.4933

Details

The Yxy color **13.9368, 0.4667, 0.4580** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.7311, 0.1691, 0.1176**, and the grayscale version is **12.6472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8354, 0.4363, 0.4346**, and **4.2085, 0.4846, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **13.2815, 0.4776, 0.4590**, and if you desaturate by 10%, it is **14.7076, 0.4531, 0.4541**.

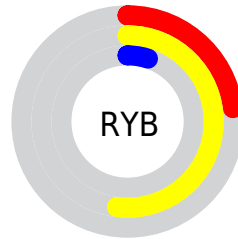
Distribution



Red (52%)

Green (39%)

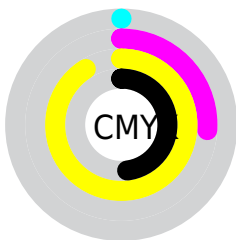
Blue (5%)



Red (23%)

Yellow (52%)

Blue (5%)

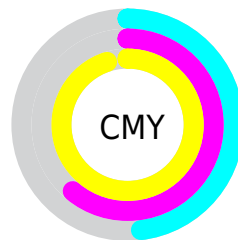


Cyan (0%)

Magenta (26%)

Yellow (91%)

Black (48%)



Cyan (48%)


Magenta (61%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9368, 0.4667, 0.4580 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 13.9368, 0.4667, 0.4580 by changing the saturation by 10% instead.


 13.9368, 0.4667,
0.4580


 13.9368, 0.4667,
0.4580


216.8373, 0.3815,
0.3903


 8.0767, 0.4866,
0.4710


 32.9768, 0.4356,
0.4349


 4.1441, 0.5132,
0.4868

 46.9256, 0.4237,
0.4254


 1.7545, 0.5216,
0.4784

 64.3394, 0.4136,
0.4173

 0.4586, 0.5603,
0.4397


 85.6026, 0.4052,
0.4103


 0.0000, 0.0000,
0.0000


 111.0996, 0.3979,
0.4043


 141.2147, 0.3917,


0.3990


 176.3325, 0.3863,
0.3944


 13.9368, 0.4667,
0.4580

 13.9368, 0.4667,
0.4580

 13.2815, 0.4776,
0.4590

 14.7076, 0.4531,
0.4541

 15.5383, 0.4371,
0.4457

 16.4336, 0.4193,
0.4336

 17.3967, 0.4005,
0.4185

 18.4306, 0.3816,
0.4016

■ 19.5381, 0.3631,
0.3837

■ 20.7217, 0.3455,
0.3656

■ 21.9838, 0.3291,
0.3477

■ 23.3266, 0.3140,
0.3305

Harmonies

Analogous

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



13.9368, 0.5094, 0.3878



13.9368, 0.4667, 0.4580



13.9368, 0.3873, 0.5118

Triad

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



13.9368, 0.4667, 0.4580



13.9368, 0.1606, 0.2995



13.9368, 0.3042, 0.2103

Complementary

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



13.9368, 0.4667, 0.4580



3.7311, 0.1691, 0.1176

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.



13.9368, 0.2181, 0.1856



13.9368, 0.4667, 0.4580



13.9368, 0.1471, 0.2225

Square

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



13.9368, 0.4667, 0.4580



13.9368, 0.2112, 0.4134



13.9368, 0.1662, 0.1878



13.9368, 0.4095, 0.2576

Rectangle

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



13.9368, 0.4667, 0.4580



13.9368, 0.3255, 0.5167



13.9368, 0.1662, 0.1878



13.9368, 0.2720, 0.1993

Sweetspot

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



13.9375, 0.4667, 0.4580



35.6756, 0.3572, 0.3777



5.4510, 0.5457, 0.2887



7.9047, 0.3623, 0.3828



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.



13.9375, 0.4667, 0.4580



23.5093, 0.4792, 0.4577



19.9153, 0.3830, 0.5263



5.2076, 0.3263, 0.3446



12.6647, 0.4775, 0.4591



0.0562, 0.4460, 0.4841

Inverse Universe

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



3.7311, 0.1691, 0.1176



5.2082, 0.1601, 0.0962



2.3752, 0.1729, 0.0794



4.7421, 0.2992, 0.3130



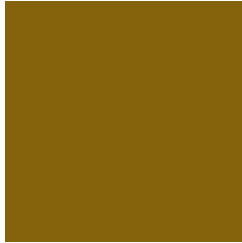
2.9090, 0.1612, 0.1002



0.0212, 0.1827, 0.1776

Previews

White Background



This preview shows how the Yxy color 13.9368, 0.4667, 0.4580 looks on a white background.

Color Contrast Check

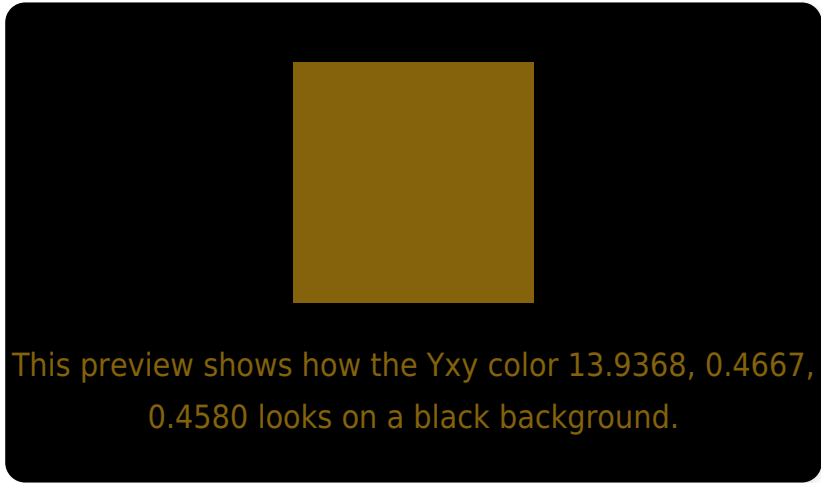
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9368, 0.4667, 0.4580

Background



This preview shows how black text looks on a background with the Yxy color 13.9368, 0.4667, 0.4580.



This preview shows how white text looks on a background with the Yxy color 13.9368, 0.4667, 0.4580.

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

13.9368, 0.4667, 0.4580

Protanopia

13.9864, 0.4340, 0.4816

Deuteranopia

13.8558, 0.4653, 0.4591



Tritanopia

13.9584, 0.3751, 0.3162

Trichromacy



Original Color

13.9368, 0.4667, 0.4580

Protanomaly

13.9405, 0.4451, 0.4740

Deuteranomaly

13.8558, 0.4653, 0.4591

Tritanomaly

13.8239, 0.4208, 0.3813

Monochromacy



Original Color

13.9368, 0.4667, 0.4580

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.7084, 0.3775, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9368, 0.4667, 0.4580 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(133, 99, 12)` looks like.

```
.text, #text, p{  
  color:rgb(133, 99, 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(133, 99, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 99, 12) }
```

Border

The CSS property to change the border of an element to Yxy 13.9368, 0.4667, 0.4580 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(133, 99, 12) }
```

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

```
.border{ border-color:rgb(133, 99, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 99, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 99, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 99, 12);  
box-shadow:4px 4px 4px 4px rgb(133, 99,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9368, 0.4667, 0.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 99, 12) }
```

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

```
.background{ background-color: rgb(133, 99,  
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](#).

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