

Converting Colors

$Y_{xy}(12.8633, 0.4623, 0.4572)$

Have a look what the booklet for
Yxy(12.8633, 0.4623, 0.4572)
contains.

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Color

Yxy(12.9123, 0.4619, 0.4580)

Conversions

Conversions Part 1

Format	Color
Hex	7F600F
RGB	127, 96, 15
RGB Percent	50%, 38%, 6%
CMY	0.5019, 0.6235, 0.9411
CMYK	0.00, 0.24, 0.88, 0.50
HSL	43°, 79%, 28%
HSV	43°, 88%, 50%
XYZ	13.0223, 12.9123, 2.2582
YIQ	96.0350, 44.4770, -18.6190

Conversions

Conversions Part 2

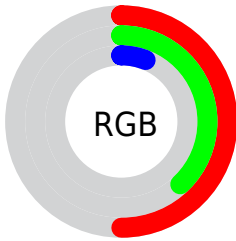
Format	Color
R_{YB}	58, 127, 15
Decimal	8347663
CIE _{Lab}	42.63, 5.04, 46.14
CIE _{LCh}	43, 46.413, 83.762
Yxy	12.9123, 0.4619, 0.4580
Android (android.graphics.Color)	4286537743 (0xFF7F600F)
YUV	96.0350, -39.9503, 27.1563
Hunter-Lab	35.9337, 1.8039, 21.4275

Details

The Yxy color **12.9123, 0.4619, 0.4580** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.5895, 0.1720, 0.1233**, and the grayscale version is **11.7978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0303, 0.4309, 0.4338**, and **3.7371, 0.4827, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **12.2561, 0.4740, 0.4598**, and if you desaturate by 10%, it is **13.6169, 0.4477, 0.4526**.

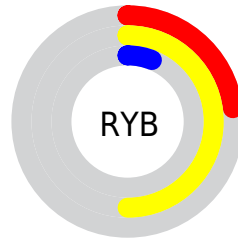
Distribution



Red (50%)

Green (38%)

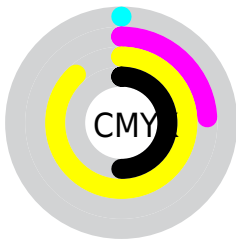
Blue (6%)



Red (23%)

Yellow (50%)

Blue (6%)

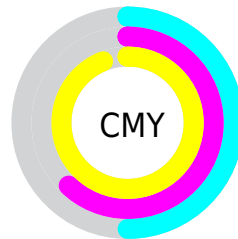


Cyan (0%)

Magenta (24%)

Yellow (88%)

Black (50%)



Cyan (50%)


Magenta (62%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9123, 0.4619, 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 12.9123, 0.4619, 0.4580 by changing the saturation by 10% instead.


 12.9123, 0.4619,
0.4580


 12.9123, 0.4619,
0.4580

210.3548, 0.3781,
0.3886


 7.3682, 0.4822,
0.4724


 31.1461, 0.4308,
0.4336


 3.6934, 0.5097,
0.4903

 44.6046, 0.4191,
0.4239


 1.5036, 0.5173,
0.4827


 61.4701, 0.4093,
0.4156

 0.2912, 0.5786,
0.4214

 82.1268, 0.4010,
0.4086

 0.0000, 0.0000,
0.0000

 106.9593, 0.3940,
0.4025

 136.3518, 0.3879,

0.3972

170.6889, 0.3827,
0.3926

12.9123, 0.4619,
0.4580

12.9123, 0.4619,
0.4580

12.2561, 0.4740,
0.4598

13.6169, 0.4477,
0.4526

12.1399, 0.4762,
0.4601

14.3756, 0.4313,
0.4430

15.1922, 0.4133,
0.4298

16.0696, 0.3947,
0.4141

17.0104, 0.3760,
0.3968

■ 18.0169, 0.3579,
0.3788

■ 19.0913, 0.3407,
0.3606

■ 20.2357, 0.3248,
0.3429

■ 21.4520, 0.3101,
0.3260

Harmonies

Analogous

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



12.9123, 0.5045, 0.3896



12.9123, 0.4619, 0.4580



12.9123, 0.3837, 0.5084

Triad

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



12.9123, 0.4619, 0.4580



12.9123, 0.1629, 0.2977



12.9123, 0.3076, 0.2138

Complementary

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



12.9123, 0.4619, 0.4580



3.5895, 0.1720, 0.1233

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.



12.9123, 0.2223, 0.1888



12.9123, 0.4619, 0.4580



12.9123, 0.1505, 0.2235

Square

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



12.9123, 0.4619, 0.4580



12.9123, 0.2116, 0.4077



12.9123, 0.1701, 0.1902



12.9123, 0.4102, 0.2610

Rectangle

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



12.9123, 0.4619, 0.4580



12.9123, 0.3230, 0.5109



12.9123, 0.1701, 0.1902



12.9123, 0.2759, 0.2028

Sweetspot

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



12.9129, 0.4619, 0.4580



32.5531, 0.3551, 0.3759



5.0576, 0.5350, 0.2869



7.4956, 0.3602, 0.3812



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.9129, 0.4619, 0.4580



21.4800, 0.4779, 0.4588



18.0830, 0.3830, 0.5231



4.8244, 0.3262, 0.3445



12.2399, 0.4763, 0.4600



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.5895, 0.1720, 0.1233



4.6892, 0.1599, 0.0958



2.3112, 0.1768, 0.0843



4.3906, 0.2993, 0.3130



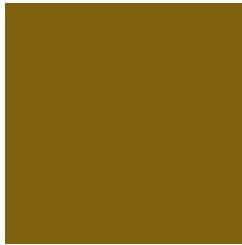
2.7650, 0.1610, 0.0995



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.9123, 0.4619, 0.4580 looks on a white background.

Color Contrast Check

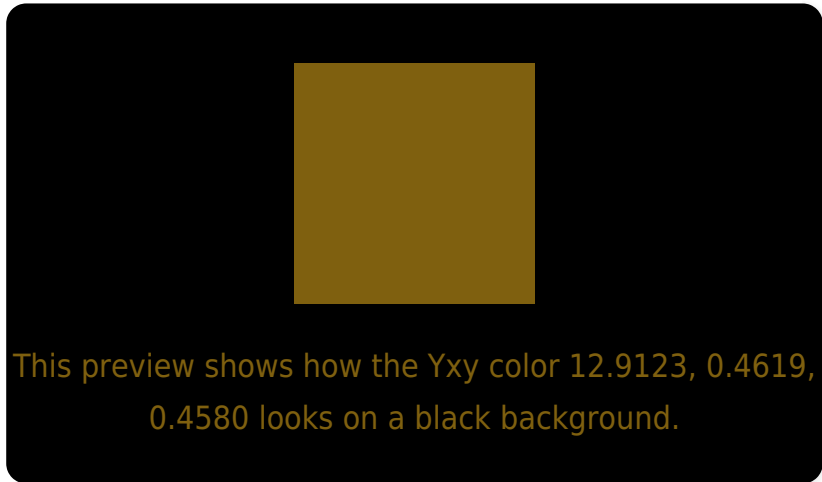
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9123, 0.4619, 0.4580

Background



This preview shows how black text looks on a background with the Yxy color 12.9123, 0.4619, 0.4580.



This preview shows how white text looks on a background with the Yxy color 12.9123, 0.4619, 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

12.9123, 0.4619, 0.4580

Protanopia

12.9252, 0.4327, 0.4782

Deuteranopia

12.9894, 0.4634, 0.4570



Tritanopia

12.8948, 0.3721, 0.3157

Trichromacy



Original Color

12.9123, 0.4619, 0.4580

Protanomaly

12.8830, 0.4442, 0.4705

Deuteranomaly

12.9894, 0.4634, 0.4570

Tritanomaly

12.8054, 0.4144, 0.3778

Monochromacy



Original Color

12.9123, 0.4619, 0.4580

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8968, 0.3732, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9123, 0.4619, 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(127, 96, 15)` looks like.

```
.text, #text, p{  
    color:rgb(127, 96, 15)  
}
```

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(127, 96, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 96, 15) }
```

Border

The CSS property to change the border of an element to Yxy 12.9123, 0.4619, 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(127, 96, 15) }
```

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

```
.border{ border-color:rgb(127, 96, 15) }
```

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

Here you see how a box with a 4 pixel rgb(127, 96, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 96, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 96, 15);  
box-shadow:4px 4px 4px 4px rgb(127, 96,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9123, 0.4619, 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(127, 96, 15) }
```

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

```
.background{ background-color: rgb(127, 96,  
15) }
```

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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