

Converting Colors

$Y_{xy}(10.0419, 0.4475, 0.4639)$

Have a look what the booklet for
Yxy(10.0419, 0.4475, 0.4639)
contains.

Yxy(10.0419, 0.4475, 0.4639)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0419, 0.4475, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	6C5710
RGB	108, 87, 16
RGB Percent	42%, 34%, 6%
CMY	0.5764, 0.6588, 0.9372
CMYK	0.00, 0.19, 0.85, 0.58
HSL	46°, 74%, 24%
HSV	46°, 85%, 42%
XYZ	9.6869, 10.0419, 1.9179
YIQ	85.1850, 35.3070, -17.6290

Conversions

Conversions Part 2

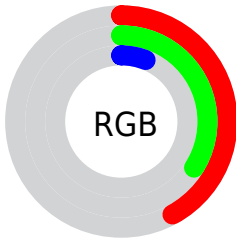
Format	Color
R_{YB}	43, 108, 16
Decimal	7100176
CIE Lab	37.92, 1.15, 40.92
CIE LCh	38, 40.940, 88.391
Yxy	10.0419, 0.4475, 0.4639
Android (android.graphics.Color)	4285290256 (0xFF6C5710)
YUV	85.1850, -34.1082, 20.0088
Hunter-Lab	31.6890, -0.8906, 18.5939

Details

The Yxy color **10.0419, 0.4475, 0.4639** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.5170, 0.1740, 0.1223**, and the grayscale version is **9.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7882, 0.4183, 0.4334**, and **2.5258, 0.4661, 0.4681** is the 20% darker color. If you saturate the color by 10%, you get **9.6238, 0.4585, 0.4681**, and if you desaturate by 10%, it is **10.4894, 0.4344, 0.4560**.

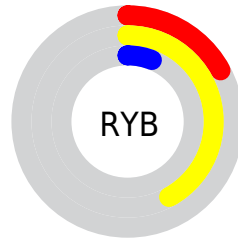
Distribution



Red (42%)

Green (34%)

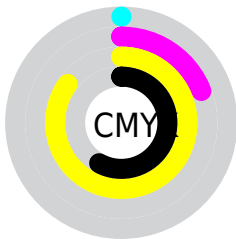
Blue (6%)



Red (17%)

Yellow (42%)

Blue (6%)

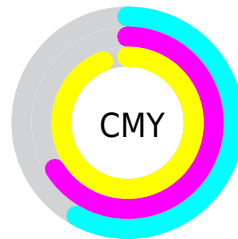


Cyan (0%)

Magenta (19%)

Yellow (85%)

Black (58%)



Cyan (58%)

Magenta (66%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0419, 0.4475, 0.4639 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 10.0419, 0.4475, 0.4639 by changing the saturation by 10% instead.

10.0419, 0.4475,
0.4639

10.0419, 0.4475,
0.4639

190.9709, 0.3690,
0.3861

5.4267, 0.4697,
0.4853

25.8743, 0.4175,
0.4345

2.4998, 0.4932,
0.5068

37.8603, 0.4064,
0.4235

0.8765, 0.4956,
0.5044

53.0721, 0.3973,
0.4144

0.0000, 0.0000,
0.0000


71.8940, 0.3897,
0.4068


94.7104, 0.3833,
0.4004


121.9058, 0.3778,


0.3949


 153.8644, 0.3731,
0.3902

 10.0419, 0.4475,
0.4639

 10.0419, 0.4475,
0.4639


 9.6238, 0.4585,
0.4681

 10.4894, 0.4344,
0.4560

 9.4282, 0.4638,
0.4699

 10.9686, 0.4192,
0.4442

 11.4819, 0.4027,
0.4294

 12.0310, 0.3854,
0.4125

 12.6176, 0.3681,
0.3942

■ 13.2429, 0.3513,
0.3753

■ 13.9085, 0.3352,
0.3565

■ 14.6154, 0.3201,
0.3382

■ 15.3650, 0.3061,
0.3207

Harmonies

Analogous

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



10.0419, 0.4946, 0.3993



10.0419, 0.4475, 0.4639



10.0419, 0.3690, 0.5047

Triad

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



10.0419, 0.4475, 0.4639



10.0419, 0.1639, 0.2857



10.0419, 0.3230, 0.2234

Complementary

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



10.0419, 0.4475, 0.4639



2.5170, 0.1740, 0.1223

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.



10.0419, 0.2364, 0.1954



10.0419, 0.4475, 0.4639



10.0419, 0.1565, 0.2202

Square

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



10.0419, 0.4475, 0.4639



10.0419, 0.2060, 0.3875



10.0419, 0.1805, 0.1927



10.0419, 0.4206, 0.2720

Rectangle

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



10.0419, 0.4475, 0.4639



10.0419, 0.3099, 0.4980



10.0419, 0.1805, 0.1927



10.0419, 0.2914, 0.2115

Sweetspot

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



10.0424, 0.4475, 0.4639



23.0740, 0.3538, 0.3782



3.6959, 0.5345, 0.2943



5.5157, 0.3581, 0.3830



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.0424, 0.4475, 0.4639



16.3696, 0.4652, 0.4688



12.6251, 0.3756, 0.5230



3.4722, 0.3256, 0.3450



11.2021, 0.4643, 0.4696



55.7285, 0.4674, 0.4671

Inverse Universe

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



2.5170, 0.1740, 0.1223



2.9353, 0.1578, 0.0879



1.9155, 0.1888, 0.0955



3.1270, 0.2997, 0.3125



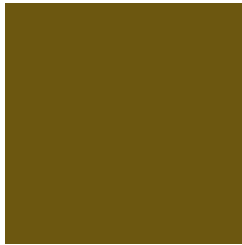
2.0655, 0.1585, 0.0905



9.3991, 0.1562, 0.0822

Previews

White Background



This preview shows how the Yxy color 10.0419, 0.4475, 0.4639 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



This preview shows how the Yxy color 10.0419, 0.4475, 0.4639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

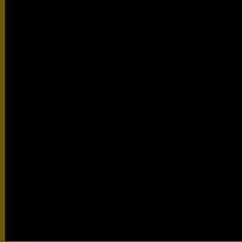
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0419, 0.4475, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 10.0419, 0.4475, 0.4639.



This preview shows how white text looks on a background with the Yxy color 10.0419, 0.4475, 0.4639.

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

10.0419, 0.4475, 0.4639

Protanopia

10.1195, 0.4294, 0.4763

Deuteranopia

10.0482, 0.4588, 0.4538



Tritanopia

10.0177, 0.3577, 0.3159

Trichromacy



Original Color

10.0419, 0.4475, 0.4639

Protanomaly

10.1283, 0.4364, 0.4710

Deuteranomaly

10.0756, 0.4537, 0.4578

Tritanomaly

9.9029, 0.4009, 0.3784

Monochromacy



Original Color

10.0419, 0.4475, 0.4639

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.3090, 0.3671, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0419, 0.4475, 0.4639 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(108, 87, 16)` looks like.

```
.text, #text, p{  
    color:rgb(108, 87, 16)  
}
```

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(108, 87, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 87, 16) }
```

Border

The CSS property to change the border of an element to Yxy 10.0419, 0.4475, 0.4639 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(108, 87, 16) }
```

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

```
.border{ border-color:rgb(108, 87, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 87, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 87, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 87, 16);  
box-shadow:4px 4px 4px 4px rgb(108, 87,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0419, 0.4475, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 87, 16) }
```

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

```
.background{ background-color: rgb(108, 87,  
16) }
```

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