

Converting Colors

$Y_{xy}(10.1844, 0.4623, 0.4416)$

Have a look what the booklet for
Yxy(10.1844, 0.4623, 0.4416)
contains.

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Color

Yxy(10.1844, 0.4623, 0.4416)

Conversions

Conversions Part 1

Format	Color
Hex	755417
RGB	117, 84, 23
RGB Percent	46%, 33%, 9%
CMY	0.5412, 0.6706, 0.9097
CMYK	0.00, 0.28, 0.80, 0.54
HSL	39°, 67%, 27%
HSV	39°, 80%, 46%
XYZ	10.6618, 10.1844, 2.2163
YIQ	86.9130, 39.2490, -11.9750

Conversions

Conversions Part 2

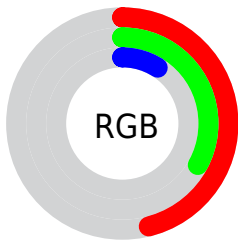
Format	Color
R_{YB}	74, 117, 23
Decimal	7689239
CIE Lab	38.17, 7.64, 38.79
CIE LCh	38, 39.537, 78.856
Yxy	10.1844, 0.4623, 0.4416
Android (android.graphics.Color)	4285879319 (0xFF755417)
YUV	86.9130, -31.5091, 26.3863
Hunter-Lab	31.9130, 3.7872, 18.2215

Details

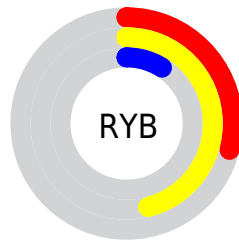
The Yxy color **10.1844, 0.4623, 0.4416** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **4.2993, 0.1867, 0.1612**, and the grayscale version is **9.5751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0006, 0.4272, 0.4186**, and **2.5749, 0.4989, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **9.5285, 0.4791, 0.4450**, and if you desaturate by 10%, it is **10.8995, 0.4432, 0.4339**.

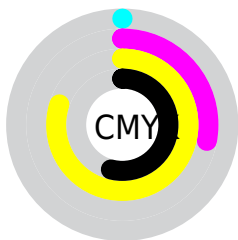
Distribution



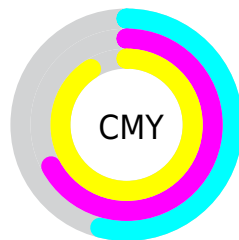
- Red (46%)
- Green (33%)
- Blue (9%)



- Red (29%)
- Yellow (46%)
- Blue (9%)



- Cyan (0%)
- Magenta (28%)
- Yellow (80%)
- Black (54%)




- Cyan (54%)
- Magenta (67%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1844, 0.4623, 0.4416 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 10.1844, 0.4623, 0.4416 by changing the saturation by 10% instead.


 10.1844, 0.4623,
0.4416


 10.1844, 0.4623,
0.4416


191.9831, 0.3734,
0.3787


 5.5214, 0.4876,
0.4559

 26.1418, 0.4272,
0.4187

 2.5563, 0.5252,
0.4748


 38.2049, 0.4147,
0.4098

 0.9048, 0.5403,
0.4597

 53.5036, 0.4045,
0.4024


 0.0000, 0.0000,
0.0000

 72.4221, 0.3960,
0.3961

 95.3449, 0.3890,
0.3908


 122.6565, 0.3830,


0.3862


 154.7411, 0.3779,
0.3822


 10.1844, 0.4623,
0.4416


 10.1844, 0.4623,
0.4416


 9.5285, 0.4791,
0.4450

 10.8995, 0.4432,
0.4339

 8.9386, 0.4944,
0.4457

 11.6753, 0.4229,
0.4226

 12.5150, 0.4023,
0.4087

 13.4210, 0.3820,
0.3932

 14.3956, 0.3627,
0.3770

■ 15.4410, 0.3447,
0.3607

■ 16.5591, 0.3281,
0.3447

■ 17.7518, 0.3132,
0.3295

■ 19.0209, 0.2997,
0.3151

Harmonies

Analogous

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



10.1844, 0.4926, 0.3775



10.1844, 0.4623, 0.4416



10.1844, 0.3941, 0.4908

Triad

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



10.1844, 0.4623, 0.4416



10.1844, 0.1780, 0.3162



10.1844, 0.2937, 0.2156

Complementary

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



10.1844, 0.4623, 0.4416



4.2993, 0.1867, 0.1612

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.



10.1844, 0.2184, 0.1958



10.1844, 0.4623, 0.4416



10.1844, 0.1601, 0.2401

Square

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



10.1844, 0.4623, 0.4416



10.1844, 0.2302, 0.4177



10.1844, 0.1739, 0.2021



10.1844, 0.3879, 0.2573

Rectangle

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



10.1844, 0.4623, 0.4416



10.1844, 0.3382, 0.4984



10.1844, 0.1739, 0.2021



10.1844, 0.2655, 0.2063

Sweetspot

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



10.1849, 0.4623, 0.4416



26.8261, 0.3522, 0.3677



4.6968, 0.4799, 0.2685



6.0468, 0.3574, 0.3723



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.1849, 0.4623, 0.4416



16.1733, 0.4909, 0.4444



15.7571, 0.3931, 0.5043



4.0601, 0.3261, 0.3427



9.8182, 0.4948, 0.4453



46.1917, 0.4999, 0.4413

Inverse Universe

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



4.2993, 0.1867, 0.1612



5.3361, 0.1686, 0.1228



2.2660, 0.1797, 0.0963



3.7809, 0.2995, 0.3149



3.1421, 0.1663, 0.1187



13.8378, 0.1637, 0.1094

Previews

White Background



This preview shows how the Yxy color 10.1844, 0.4623, 0.4416 looks on a white background.

Color Contrast Check

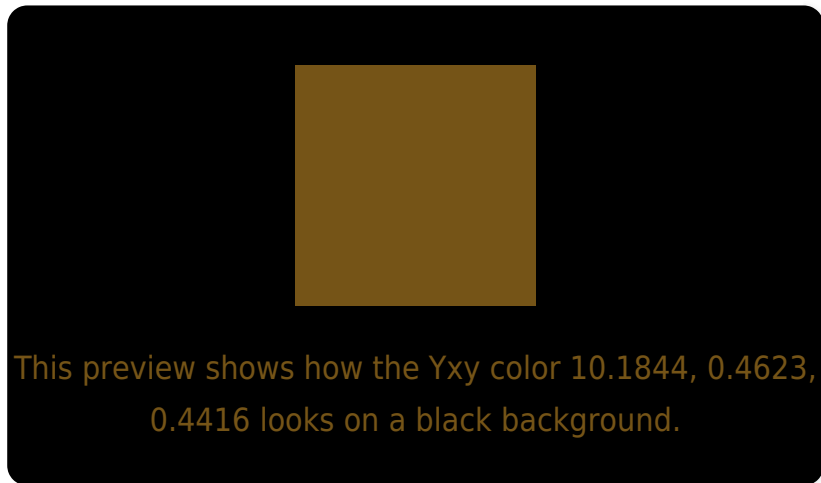
Large Text (above 18pt) WCAG AA ✓ Pass

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

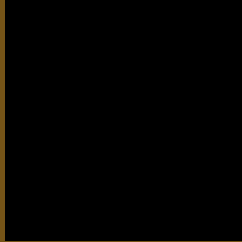
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1844, 0.4623, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 10.1844, 0.4623, 0.4416.



This preview shows how white text looks on a background with the Yxy color 10.1844, 0.4623, 0.4416.

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

10.1844, 0.4623, 0.4416

Protanopia

10.1492, 0.4231, 0.4668

Deuteranopia

10.2242, 0.4530, 0.4505



Tritanopia

10.1538, 0.3808, 0.3166

Trichromacy



Original Color

10.1844, 0.4623, 0.4416

Protanomaly

10.1712, 0.4377, 0.4581

Deuteranomaly

10.1323, 0.4565, 0.4476

Tritanomaly

10.0782, 0.4182, 0.3670

Monochromacy



Original Color

10.1844, 0.4623, 0.4416

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.6224, 0.3697, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1844, 0.4623, 0.4416 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(117, 84, 23)` looks like.

```
.text, #text, p{  
    color:rgb(117, 84, 23)  
}
```

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(117, 84, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 84, 23) }
```

Border

The CSS property to change the border of an element to Yxy 10.1844, 0.4623, 0.4416 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(117, 84, 23) }
```

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

```
.border{ border-color:rgb(117, 84, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 84, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 84, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 84, 23);  
box-shadow:4px 4px 4px 4px rgb(117, 84,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1844, 0.4623, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 84, 23) }
```

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

```
.background{ background-color: rgb(117, 84,  
23) }
```

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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