

Converting Colors

$Y_{xy}(10.3729, 0.4702, 0.4523)$

Have a look what the booklet for
Yxy(10.3729, 0.4702, 0.4523)
contains.

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Color

Yxy(10.3751, 0.4701, 0.4522)

Conversions

Conversions Part 1

Format	Color
Hex	76550C
RGB	118, 85, 12
RGB Percent	46%, 33%, 5%
CMY	0.5373, 0.6666, 0.9528
CMYK	0.00, 0.28, 0.90, 0.54
HSL	41°, 81%, 25%
HSV	41°, 90%, 46%
XYZ	10.7858, 10.3751, 1.7827
YIQ	86.5450, 43.1010, -15.7070

Conversions

Conversions Part 2

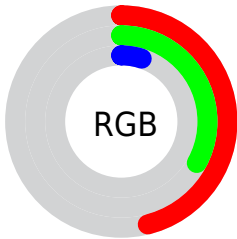
Format	Color
RYB	60, 118, 12
Decimal	7755020
CIELab	38.51, 7.12, 43.19
CIELCh	39, 43.777, 80.634
Yxy	10.3751, 0.4701, 0.4522
Android (android.graphics.Color)	4285945100 (0xFF76550C)
YUV	86.5450, -36.7507, 27.5860
Hunter-Lab	32.2104, 3.4033, 19.2658

Details

The Yxy color **10.3751, 0.4701, 0.4522** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **3.2644, 0.1733, 0.1297**, and the grayscale version is **9.5024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4077, 0.4358, 0.4282**, and **2.6414, 0.4951, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **9.7860, 0.4840, 0.4537**, and if you desaturate by 10%, it is **11.0078, 0.4549, 0.4479**.

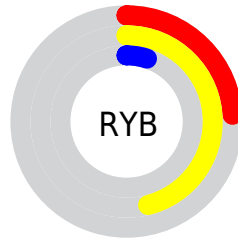
Distribution



Red (46%)

Green (33%)

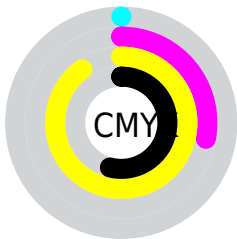
Blue (5%)



Red (24%)

Yellow (46%)

Blue (5%)

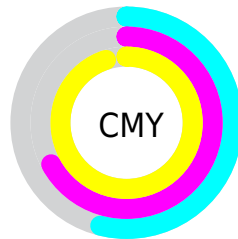


Cyan (0%)

Magenta (28%)

Yellow (90%)

Black (54%)



Cyan (54%)


Magenta (67%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3751, 0.4701, 0.4522 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 10.3751, 0.4701, 0.4522 by changing the saturation by 10% instead.


 10.3751, 0.4701,
0.4522


 10.3751, 0.4701,
0.4522


 193.3287, 0.3785,
0.3848


 5.6484, 0.4969,
0.4686

 26.4987, 0.4350,
0.4285


 2.6325, 0.5224,
0.4776

 38.6643, 0.4221,
0.4190


 0.9430, 0.5362,
0.4638

 54.0783, 0.4114,
0.4109

 0.0000, 1.0000,
0.0000

 73.1252, 0.4026,
0.4041


 0.0000, 0.0000,
0.0000


 96.1893, 0.3951,
0.3982


 123.6549, 0.3887,

0.3931


 155.9066, 0.3832,
0.3887

 10.3751, 0.4701,
0.4522


 10.3751, 0.4701,
0.4522


 9.7860, 0.4840,
0.4537


 11.0078, 0.4549,
0.4479

 9.7749, 0.4842,
0.4537

 11.6918, 0.4374,
0.4393

 12.4303, 0.4185,
0.4272

 13.2260, 0.3990,
0.4124

 14.0813, 0.3796,
0.3961

■ 14.9980, 0.3610,
0.3790

■ 15.9784, 0.3435,
0.3617

■ 17.0242, 0.3273,
0.3449

■ 18.1371, 0.3124,
0.3287

Harmonies

Analogous

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



10.3751, 0.5083, 0.3825



10.3751, 0.4701, 0.4522



10.3751, 0.3934, 0.5074

Triad

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



10.3751, 0.4701, 0.4522



10.3751, 0.1644, 0.3074



10.3751, 0.2971, 0.2088

Complementary

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



10.3751, 0.4701, 0.4522



3.2644, 0.1733, 0.1297

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.



10.3751, 0.2140, 0.1861



10.3751, 0.4701, 0.4522



10.3751, 0.1484, 0.2277

Square

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



10.3751, 0.4701, 0.4522



10.3751, 0.2175, 0.4208



10.3751, 0.1650, 0.1904



10.3751, 0.4010, 0.2543

Rectangle

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



10.3751, 0.4701, 0.4522



10.3751, 0.3325, 0.5157



10.3751, 0.1650, 0.1904



10.3751, 0.2659, 0.1984

Sweetspot

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



10.3756, 0.4701, 0.4522



26.7321, 0.3572, 0.3753



4.3088, 0.5271, 0.2808



6.0465, 0.3618, 0.3797



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.



10.3756, 0.4701, 0.4522



16.9504, 0.4862, 0.4522



15.6108, 0.3881, 0.5203



4.0831, 0.3261, 0.3436



10.5532, 0.4845, 0.4535



49.8485, 0.4889, 0.4500

Inverse Universe

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



3.2644, 0.1733, 0.1297



4.3839, 0.1625, 0.1049



1.8699, 0.1720, 0.0808



3.7588, 0.2995, 0.3140



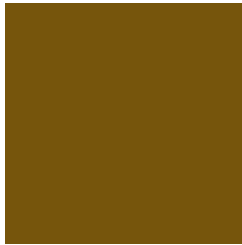
2.8081, 0.1635, 0.1084



12.3163, 0.1609, 0.0994

Previews

White Background



This preview shows how the Yxy color 10.3751, 0.4701, 0.4522 looks on a white background.

Color Contrast Check

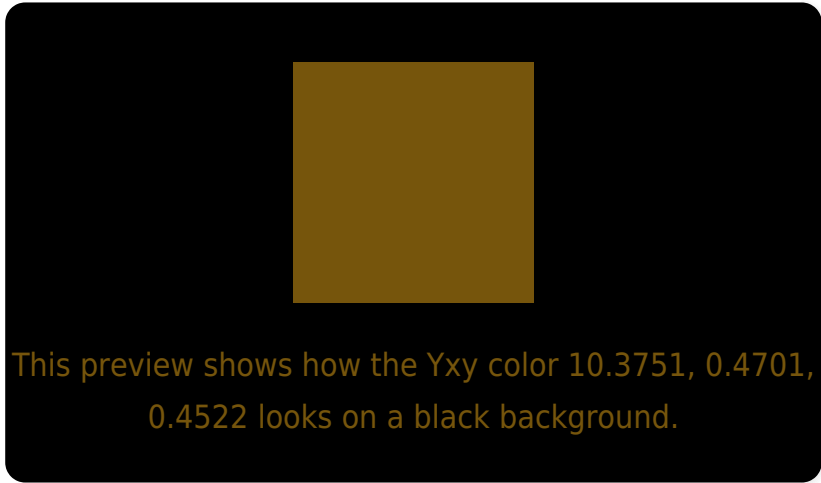
Large Text (above 18pt) WCAG AA ✓ Pass

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

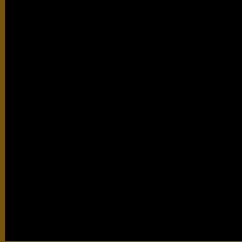
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3751, 0.4701, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 10.3751, 0.4701, 0.4522.



This preview shows how white text looks on a background with the Yxy color 10.3751, 0.4701, 0.4522.

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

10.3751, 0.4701, 0.4522

Protanopia

10.3974, 0.4331, 0.4783

Deuteranopia

10.3246, 0.4640, 0.4580



Tritanopia

10.3854, 0.3801, 0.3167

Trichromacy



Original Color

10.3751, 0.4701, 0.4522

Protanomaly

10.3620, 0.4457, 0.4698

Deuteranomaly

10.3927, 0.4656, 0.4569

Tritanomaly

10.2553, 0.4259, 0.3768

Monochromacy



Original Color

10.3751, 0.4701, 0.4522

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.5785, 0.3763, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3751, 0.4701, 0.4522 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(118, 85, 12)` looks like.

```
.text, #text, p{  
    color:rgb(118, 85, 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(118, 85, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 85, 12) }
```

Border

The CSS property to change the border of an element to Yxy 10.3751, 0.4701, 0.4522 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(118, 85, 12) }
```

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

```
.border{ border-color:rgb(118, 85, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 85, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 85, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 85, 12);  
box-shadow:4px 4px 4px 4px rgb(118, 85,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3751, 0.4701, 0.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 85, 12) }
```

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

```
.background{ background-color: rgb(118, 85,  
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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