

Converting Colors

$Y_{xy}(12.2474, 0.4445, 0.4334)$

Have a look what the booklet for
Yxy(12.2474, 0.4445, 0.4334)
contains.

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Color

Yxy(12.2474, 0.4445, 0.4334)

Conversions

Conversions Part 1

Format	Color
Hex	7C5D25
RGB	124, 93, 37
RGB Percent	49%, 36%, 15%
CMY	0.5137, 0.6353, 0.8550
CMYK	0.00, 0.25, 0.70, 0.51
HSL	39°, 54%, 32%
HSV	39°, 70%, 49%
XYZ	12.5611, 12.2474, 3.4504
YIQ	95.8850, 36.4520, -10.8440

Conversions

Conversions Part 2

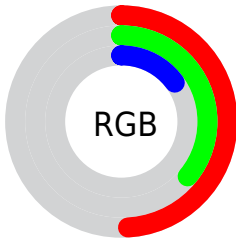
Format	Color
RYB	85, 124, 37
Decimal	8150309
CIELab	41.61, 6.38, 36.03
CIELCh	42, 36.592, 79.962
Yxy	12.2474, 0.4445, 0.4334
Android (android.graphics.Color)	4286340389 (0xFF7C5D25)
YUV	95.8850, -29.0303, 24.6569
Hunter-Lab	34.9963, 2.8248, 18.6518

Details

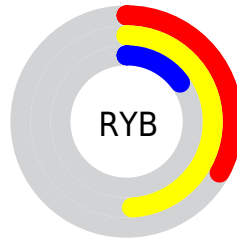
The Yxy color **12.2474, 0.4445, 0.4334** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.9810, 0.2000, 0.1850**, and the grayscale version is **11.7330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8845, 0.4133, 0.4110**, and **3.4107, 0.4877, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **11.4296, 0.4638, 0.4410**, and if you desaturate by 10%, it is **13.1377, 0.4239, 0.4222**.

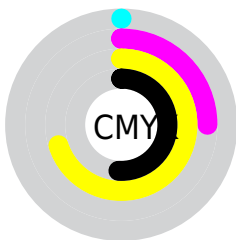
Distribution



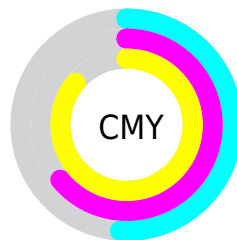
- Red (49%)
- Green (36%)
- Blue (15%)



- Red (33%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (70%)
- Black (51%)




- Cyan (51%)
- Magenta (64%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2474, 0.4445, 0.4334 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 12.2474, 0.4445, 0.4334 by changing the saturation by 10% instead.


 12.2474, 0.4445,
0.4334


 12.2474, 0.4445,
0.4334


206.0363, 0.3671,
0.3748


 6.9124, 0.4663,
0.4476


 29.9449, 0.4138,
0.4114


 3.4074, 0.5101,
0.4780

 43.0762, 0.4030,
0.4032


 1.3479, 0.5264,
0.4736

 59.5750, 0.3941,
0.3964

 0.1779, 0.6461,
0.3539

 79.8258, 0.3868,
0.3906

 0.0000, 0.0000,
0.0000

 104.2129, 0.3807,
0.3858

 133.1208, 0.3755,

0.3816

166.9338, 0.3710,
0.3780

12.2474, 0.4445,
0.4334

12.2474, 0.4445,
0.4334

11.4296, 0.4638,
0.4410

13.1377, 0.4239,
0.4222

10.6789, 0.4809,
0.4441

14.1019, 0.4029,
0.4084

9.9975, 0.4962,
0.4442

15.1434, 0.3824,
0.3930

16.2648, 0.3629,
0.3767

17.4687, 0.3447,
0.3604

■ 18.7573, 0.3280,
0.3445

■ 20.1328, 0.3130,
0.3293

■ 21.5975, 0.2994,
0.3149

■ 23.1531, 0.2873,
0.3015

Harmonies

Analogous

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



12.2474, 0.4706, 0.3773



12.2474, 0.4445, 0.4334



12.2474, 0.3843, 0.4721

Triad

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



12.2474, 0.4445, 0.4334



12.2474, 0.1922, 0.3163



12.2474, 0.2997, 0.2288

Complementary

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



12.2474, 0.4445, 0.4334



5.9810, 0.2000, 0.1850

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.



12.2474, 0.2314, 0.2102



12.2474, 0.4445, 0.4334



12.2474, 0.1763, 0.2500

Square

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



12.2474, 0.4445, 0.4334



12.2474, 0.2389, 0.4022



12.2474, 0.1897, 0.2158



12.2474, 0.3816, 0.2674

Rectangle

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



12.2474, 0.4445, 0.4334



12.2474, 0.3346, 0.4745



12.2474, 0.1897, 0.2158



12.2474, 0.2744, 0.2201

Sweetspot

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



12.2480, 0.4445, 0.4334



30.4489, 0.3470, 0.3626



6.0358, 0.4499, 0.2703



7.0570, 0.3510, 0.3662



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.2480, 0.4445, 0.4334



19.3288, 0.4741, 0.4433



18.0220, 0.3882, 0.4901



4.4050, 0.3263, 0.3427



10.1571, 0.4963, 0.4441



46.7989, 0.5014, 0.4401

Inverse Universe

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



5.9810, 0.2000, 0.1850



7.6453, 0.1799, 0.1486



3.4200, 0.1953, 0.1204



4.1056, 0.2994, 0.3149



3.3196, 0.1666, 0.1198



14.3597, 0.1641, 0.1107

Previews

White Background



This preview shows how the Yxy color 12.2474, 0.4445, 0.4334 looks on a white background.

Color Contrast Check

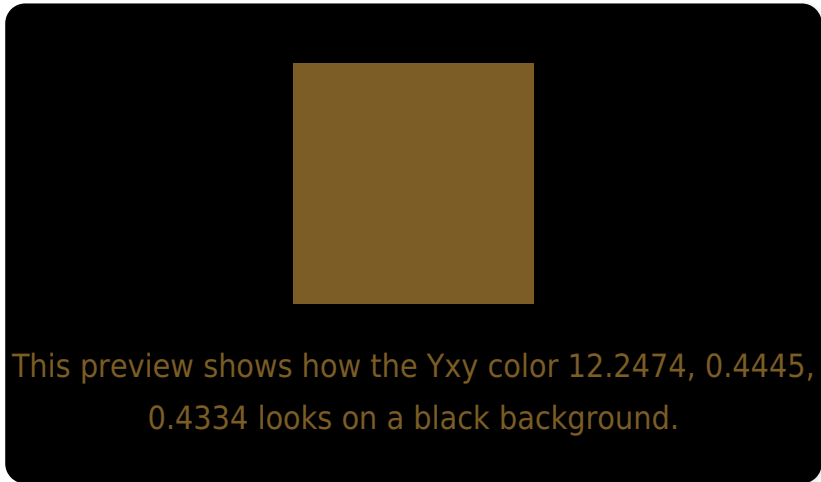
Large Text (above 18pt) WCAG AA ✓ Pass

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

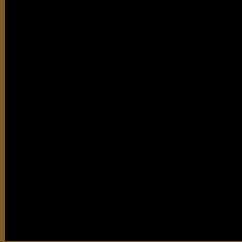
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2474, 0.4445, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 12.2474, 0.4445, 0.4334.



This preview shows how white text looks on a background with the Yxy color 12.2474, 0.4445, 0.4334.

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

12.2474, 0.4445, 0.4334

Protanopia

12.3852, 0.4115, 0.4527

Deuteranopia

12.3499, 0.4414, 0.4359



Tritanopia

12.2137, 0.3700, 0.3153

Trichromacy



Original Color

12.2474, 0.4445, 0.4334

Protanomaly

12.3342, 0.4233, 0.4465

Deuteranomaly

12.3499, 0.4414, 0.4359

Tritanomaly

12.1378, 0.4026, 0.3613

Monochromacy



Original Color

12.2474, 0.4445, 0.4334

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7566, 0.3602, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2474, 0.4445, 0.4334 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(124, 93, 37)` looks like.

```
.text, #text, p{  
    color:rgb(124, 93, 37)  
}
```

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(124, 93, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 93, 37) }
```

Border

The CSS property to change the border of an element to Yxy 12.2474, 0.4445, 0.4334 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(124, 93, 37) }
```

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

```
.border{ border-color:rgb(124, 93, 37) }
```

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

Here you see how a box with a 4 pixel rgb(124, 93, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 93, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 93, 37);  
box-shadow:4px 4px 4px 4px rgb(124, 93,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2474, 0.4445, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 93, 37) }
```

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

```
.background{ background-color: rgb(124, 93,  
37) }
```

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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