

Converting Colors

$Y_{xy}(12.6705, 0.4498, 0.4338)$

Have a look what the booklet for
Yxy(12.6705, 0.4498, 0.4338)
contains.

Yxy(12.6448, 0.4487, 0.4339)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6448, 0.4487, 0.4339)

Conversions

Conversions Part 1

Format	Color
Hex	7F5E24
RGB	127, 94, 36
RGB Percent	50%, 37%, 14%
CMY	0.5019, 0.6314, 0.8588
CMYK	0.00, 0.26, 0.72, 0.50
HSL	38°, 56%, 32%
HSV	38°, 72%, 50%
XYZ	13.0761, 12.6448, 3.4213
YIQ	97.2550, 38.2860, -11.0420

Conversions

Conversions Part 2

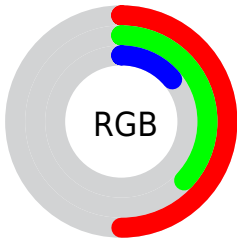
Format	Color
R_{YB}	88, 127, 36
Decimal	8347172
CIE _{Lab}	42.22, 7.16, 37.27
CIE _{LCh}	42, 37.954, 79.133
Yxy	12.6448, 0.4487, 0.4339
Android (android.graphics.Color)	4286537252 (0xFF7F5E24)
YUV	97.2550, -30.1987, 26.0864
Hunter-Lab	35.5595, 3.4096, 19.1872

Details

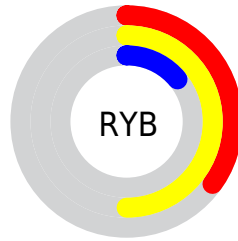
The Yxy color **12.6448, 0.4487, 0.4339** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.1692, 0.1980, 0.1826**, and the grayscale version is **12.0897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6539, 0.4179, 0.4119**, and **3.6098, 0.4914, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **11.7856, 0.4680, 0.4407**, and if you desaturate by 10%, it is **13.5817, 0.4279, 0.4233**.

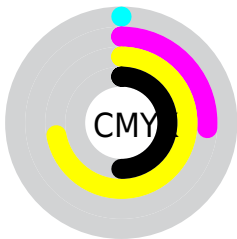
Distribution



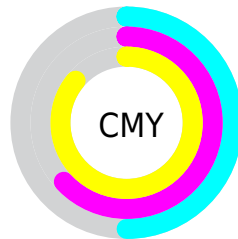
- Red (50%)
- Green (37%)
- Blue (14%)



- Red (35%)
- Yellow (50%)
- Blue (14%)



- Cyan (0%)
- Magenta (26%)
- Yellow (72%)
- Black (50%)





- Cyan (50%)
- Magenta (63%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6448, 0.4487, 0.4339 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 12.6448, 0.4487, 0.4339 by changing the saturation by 10% instead.

 12.6448, 0.4487,
0.4339


 12.6448, 0.4487,
0.4339


208.6285, 0.3693,
0.3758


 7.1844, 0.4707,
0.4475


 30.6642, 0.4175,
0.4124


 3.5777, 0.5141,
0.4762

 43.9919, 0.4063,
0.4043

 1.4403, 0.5301,
0.4699

 60.7109, 0.3973,
0.3975

 0.2461, 0.6241,
0.3759

 81.2056, 0.3897,
0.3917

 0.0000, 0.0000,
0.0000

 105.8603, 0.3834,
0.3868

 135.0594, 0.3780,

0.3826

169.1874, 0.3733,
0.3790

12.6448, 0.4487,
0.4339

12.6448, 0.4487,
0.4339

11.7856, 0.4680,
0.4407

13.5817, 0.4279,
0.4233

10.9985, 0.4850,
0.4428

14.5980, 0.4067,
0.4100

10.3875, 0.4982,
0.4426

15.6975, 0.3858,
0.3948

16.8829, 0.3659,
0.3788

18.1569, 0.3474,
0.3626

■ 19.5222, 0.3305,
0.3467

■ 20.9811, 0.3151,
0.3314

■ 22.5359, 0.3013,
0.3171

■ 24.1888, 0.2890,
0.3037

Harmonies

Analogous

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



12.6448, 0.4746, 0.3762



12.6448, 0.4487, 0.4339



12.6448, 0.3876, 0.4750

Triad

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



12.6448, 0.4487, 0.4339



12.6448, 0.1903, 0.3180



12.6448, 0.2970, 0.2258

Complementary

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



12.6448, 0.4487, 0.4339



6.1692, 0.1980, 0.1826

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.



12.6448, 0.2279, 0.2074



12.6448, 0.4487, 0.4339



12.6448, 0.1734, 0.2493

Square

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



12.6448, 0.4487, 0.4339



12.6448, 0.2386, 0.4067



12.6448, 0.1862, 0.2137



12.6448, 0.3811, 0.2646

Rectangle

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



12.6448, 0.4487, 0.4339



12.6448, 0.3369, 0.4790



12.6448, 0.1862, 0.2137



12.6448, 0.2713, 0.2172

Sweetspot

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



12.6454, 0.4487, 0.4339



32.5383, 0.3472, 0.3623



6.2105, 0.4549, 0.2698



7.4921, 0.3513, 0.3660



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.



12.6454, 0.4487, 0.4339



20.1818, 0.4792, 0.4426



18.9490, 0.3892, 0.4928



4.7651, 0.3264, 0.3427



10.4696, 0.4983, 0.4426



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.1692, 0.1980, 0.1826



7.9519, 0.1780, 0.1455



3.4272, 0.1924, 0.1159



4.4474, 0.2993, 0.3149



3.5205, 0.1670, 0.1212



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.6448, 0.4487, 0.4339 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 12.6448, 0.4487, 0.4339 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 12.6448, 0.4487, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 12.6448, 0.4487, 0.4339.



This preview shows how white text looks on a background with the Yxy color 12.6448, 0.4487, 0.4339.

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

12.6448, 0.4487, 0.4339

Protanopia

12.6990, 0.4145, 0.4541

Deuteranopia

12.6718, 0.4441, 0.4373



Tritanopia

12.6310, 0.3727, 0.3156

Trichromacy



Original Color

12.6448, 0.4487, 0.4339

Protanomaly

12.6508, 0.4262, 0.4479

Deuteranomaly

12.7474, 0.4456, 0.4365

Tritanomaly

12.5526, 0.4050, 0.3606

Monochromacy



Original Color

12.6448, 0.4487, 0.4339

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0619, 0.3629, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6448, 0.4487, 0.4339 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, 94, 36)` looks like.

```
.text, #text, p{  
    color:rgb(127, 94, 36)  
}
```

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, 94, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 94, 36) }
```

Border

The CSS property to change the border of an element to Yxy 12.6448, 0.4487, 0.4339 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, 94, 36) }
```

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

```
.border{ border-color:rgb(127, 94, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 94, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 94, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 94, 36);  
box-shadow:4px 4px 4px 4px rgb(127, 94,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6448, 0.4487, 0.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 94, 36) }
```

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

```
.background{ background-color: rgb(127, 94,  
36) }
```

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