

Converting Colors

$Y_{xy}(12.3050, 0.4940, 0.5060)$

Have a look what the booklet for
Yxy(12.3050, 0.4940, 0.5060)
contains.

Yxy(12.4695, 0.4659, 0.4683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4695, 0.4659, 0.4683)

Conversions

Conversions Part 1

Format	Color
Hex	7C5F00
RGB	124, 95, 0
RGB Percent	49%, 37%, 0%
CMY	0.5137, 0.6275, 1.0000
CMYK	0.00, 0.23, 1.00, 0.51
HSL	46°, 100%, 24%
HSV	46°, 100%, 49%
XYZ	12.4056, 12.4695, 1.7521
YIQ	92.8410, 47.7790, -23.3970

Conversions

Conversions Part 2

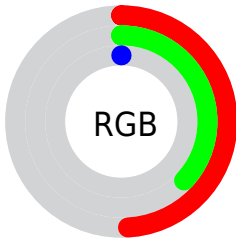
Format	Color
R_{YB}	38, 124, 0
Decimal	8150784
CIE _{Lab}	41.95, 3.83, 49.43
CIE _{LCh}	42, 49.574, 85.568
Yxy	12.4695, 0.4659, 0.4683
Android (android.graphics.Color)	4286340864 (0xFF7C5F00)
YUV	92.8410, -45.7706, 27.3264
Hunter-Lab	35.3122, 0.9129, 21.7768

Details

The Yxy color **12.4695, 0.4659, 0.4683** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.3349, 0.1586, 0.0908**, and the grayscale version is **11.0083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2596, 0.4353, 0.4434**, and **3.4987, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **12.4702, 0.4659, 0.4683**, and if you desaturate by 10%, it is **13.0302, 0.4554, 0.4658**.

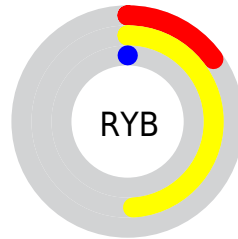
Distribution



Red (49%)

Green (37%)

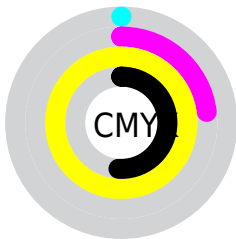
Blue (0%)



Red (15%)

Yellow (49%)

Blue (0%)

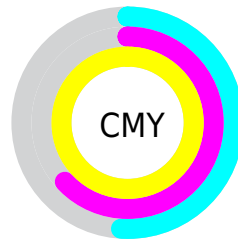


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (63%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4695, 0.4659, 0.4683 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 12.4695, 0.4659, 0.4683 by changing the saturation by 10% instead.


 12.4695, 0.4659,
0.4683

 12.4695, 0.4659,
0.4683


 207.4892, 0.3812,
0.3940


 7.0643, 0.4874,
0.4853


 30.3474, 0.4354,
0.4428

 3.5023, 0.5047,
0.4953

 43.5888, 0.4235,
0.4323


 1.3993, 0.5108,
0.4892

 60.2111, 0.4135,
0.4234

 0.2162, 0.5804,
0.4196


 80.5986, 0.4050,
0.4157


 0.0000, 0.0000,
0.0000


 105.1358, 0.3977,
0.4091


 134.2070, 0.3914,


0.4034


 168.1967, 0.3860,
0.3984


 12.4695, 0.4659,
0.4683

 12.4695, 0.4659,
0.4683

 12.4702, 0.4659,
0.4683

 13.0302, 0.4554,
0.4658

 13.6242, 0.4434,
0.4604

 14.2617, 0.4290,
0.4508

 14.9459, 0.4127,
0.4375

 15.6793, 0.3954,
0.4215

■ 16.4642, 0.3777,
0.4037

■ 17.3028, 0.3602,
0.3849

■ 18.1971, 0.3433,
0.3658

■ 19.1489, 0.3275,
0.3470

Harmonies

Analogous

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



12.4695, 0.5164, 0.3949



12.4695, 0.4659, 0.4683



12.4695, 0.3804, 0.5235

Triad

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



12.4695, 0.4659, 0.4683



12.4695, 0.1514, 0.2878



12.4695, 0.3131, 0.2090

Complementary

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



12.4695, 0.4659, 0.4683



2.3349, 0.1586, 0.0908

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.



12.4695, 0.2204, 0.1812



12.4695, 0.4659, 0.4683



12.4695, 0.1411, 0.2122

Square

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



12.4695, 0.4659, 0.4683



12.4695, 0.1995, 0.4067



12.4695, 0.1637, 0.1804



12.4695, 0.4240, 0.2596

Rectangle

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



12.4695, 0.4659, 0.4683



12.4695, 0.3157, 0.5253



12.4695, 0.1637, 0.1804



12.4695, 0.2786, 0.1969

Sweetspot

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



12.4702, 0.4659, 0.4683



30.3344, 0.3614, 0.3862



4.3849, 0.5849, 0.2996



7.0212, 0.3675, 0.3928



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.



12.4702, 0.4659, 0.4683



21.7228, 0.4672, 0.4673



16.7460, 0.3772, 0.5387



4.4825, 0.3260, 0.3453



12.6704, 0.4659, 0.4683



59.0912, 0.4689, 0.4659

Inverse Universe

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



2.3349, 0.1586, 0.0908



3.9207, 0.1576, 0.0872



1.7469, 0.1672, 0.0695



4.0318, 0.2994, 0.3122



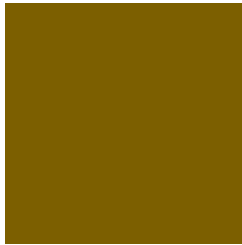
2.3696, 0.1585, 0.0907



10.1912, 0.1564, 0.0830

Previews

White Background



This preview shows how the Yxy color 12.4695, 0.4659, 0.4683 looks on a white background.

Color Contrast Check

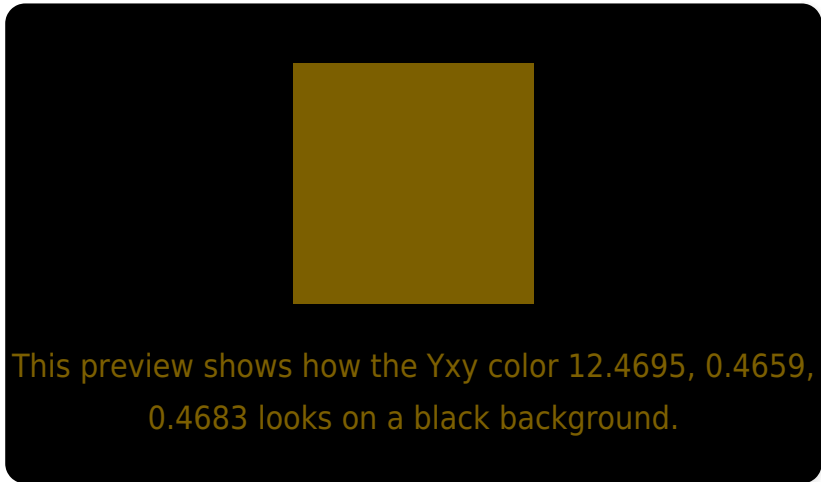
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4695, 0.4659, 0.4683

Background



This preview shows how black text looks on a background with the Yxy color 12.4695, 0.4659, 0.4683.



This preview shows how white text looks on a background with the Yxy color 12.4695, 0.4659, 0.4683.

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

12.4695, 0.4659, 0.4683

Protanopia

12.5722, 0.4361, 0.4864

Deuteranopia

12.4520, 0.4685, 0.4617



Tritanopia

12.4728, 0.3694, 0.3154

Trichromacy



Original Color

12.4695, 0.4659, 0.4683

Protanomaly

12.4571, 0.4466, 0.4799

Deuteranomaly

12.3720, 0.4679, 0.4640

Tritanomaly

12.3204, 0.4214, 0.3901

Monochromacy



Original Color

12.4695, 0.4659, 0.4683

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2642, 0.3815, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4695, 0.4659, 0.4683 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, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 95, 0)  
}
```

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, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.4695, 0.4659, 0.4683 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, 95, 0) }
```

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

```
.border{ border-color:rgb(124, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(124, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4695, 0.4659, 0.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 95, 0) }
```

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

```
.background{ background-color: rgb(124, 95,  
0) }
```

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