

Converting Colors

$Y_{xy}(12.1182, 0.4687, 0.4642)$

Have a look what the booklet for
Yxy(12.1182, 0.4687, 0.4642)
contains.

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Color

$\text{Yxy}(12.1182, 0.4687, 0.4642)$

Conversions

Conversions Part 1

Format	Color
Hex	7C5D02
RGB	124, 93, 2
RGB Percent	49%, 36%, 1%
CMY	0.5138, 0.6353, 0.9921
CMYK	0.00, 0.25, 0.98, 0.51
HSL	45°, 97%, 25%
HSV	45°, 98%, 49%
XYZ	12.2357, 12.1182, 1.7517
YIQ	91.8950, 47.6870, -21.7290

Conversions

Conversions Part 2

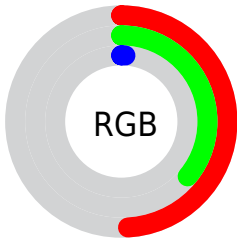
Format	Color
RYB	44, 124, 2
Decimal	8150274
CIELab	41.40, 5.04, 48.48
CIELCh	41, 48.743, 84.070
Yxy	12.1182, 0.4687, 0.4642
Android (android.graphics.Color)	4286340354 (0xFF7C5D02)
YUV	91.8950, -44.3182, 28.1561
Hunter-Lab	34.8112, 1.8208, 21.3844

Details

The Yxy color **12.1182, 0.4687, 0.4642** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.5543, 0.1612, 0.0979**, and the grayscale version is **10.7732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6640, 0.4366, 0.4401**, and **3.4160, 0.4797, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **12.0252, 0.4706, 0.4646**, and if you desaturate by 10%, it is **12.7114, 0.4574, 0.4619**.

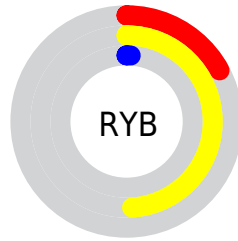
Distribution



Red (49%)

Green (36%)

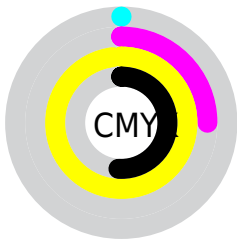
Blue (1%)



Red (17%)

Yellow (49%)

Blue (1%)

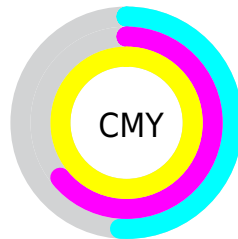


Cyan (0%)

Magenta (25%)

Yellow (98%)

Black (51%)



Cyan (51%)


Magenta (64%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1182, 0.4687, 0.4642 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 12.1182, 0.4687, 0.4642 by changing the saturation by 10% instead.


 12.1182, 0.4687,
0.4642


 12.1182, 0.4687,
0.4642


 205.1862, 0.3816,
0.3921


 6.8242, 0.4915,
0.4807


 29.7102, 0.4370,
0.4395


 3.3524, 0.5104,
0.4896

 42.7770, 0.4247,
0.4294

 1.3184, 0.5186,
0.4814

 59.2036, 0.4144,
0.4207

 0.1554, 0.6353,
0.3647


 79.3743, 0.4057,
0.4133


 0.0000, 0.0000,
0.0000


 103.6735, 0.3983,
0.4068


 132.4856, 0.3920,


0.4013

 166.1951, 0.3865,
0.3964


 12.1182, 0.4687,
0.4642

 12.1182, 0.4687,
0.4642


 12.0252, 0.4706,
0.4646

 12.7114, 0.4574,
0.4619

 13.3440, 0.4442,
0.4561

 14.0241, 0.4287,
0.4462

 14.7546, 0.4116,
0.4327

 15.5383, 0.3936,
0.4167

■ 16.3773, 0.3754,
0.3990

■ 17.2740, 0.3577,
0.3805

■ 18.2302, 0.3408,
0.3619

■ 19.2479, 0.3250,
0.3437

Harmonies

Analogous

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



12.1182, 0.5162, 0.3912



12.1182, 0.4687, 0.4642



12.1182, 0.3849, 0.5206

Triad

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



12.1182, 0.4687, 0.4642



12.1182, 0.1538, 0.2933



12.1182, 0.3078, 0.2077

Complementary

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



12.1182, 0.4687, 0.4642



2.5543, 0.1612, 0.0979

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.



12.1182, 0.2173, 0.1813



12.1182, 0.4687, 0.4642



12.1182, 0.1418, 0.2156

Square

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



12.1182, 0.4687, 0.4642



12.1182, 0.2037, 0.4124



12.1182, 0.1626, 0.1820



12.1182, 0.4180, 0.2571

Rectangle

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



12.1182, 0.4687, 0.4642



12.1182, 0.3207, 0.5250



12.1182, 0.1626, 0.1820



12.1182, 0.2740, 0.1961

Sweetspot

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



12.1188, 0.4687, 0.4642



30.0302, 0.3618, 0.3848



4.4460, 0.5740, 0.2958



6.9423, 0.3680, 0.3913



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.



12.1188, 0.4687, 0.4642



20.9396, 0.4720, 0.4634



16.8762, 0.3800, 0.5349



4.4698, 0.3261, 0.3449



12.2241, 0.4706, 0.4645



56.8952, 0.4739, 0.4619

Inverse Universe

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



2.5543, 0.1612, 0.0979



4.1324, 0.1587, 0.0912



1.7815, 0.1672, 0.0708



4.0438, 0.2994, 0.3126



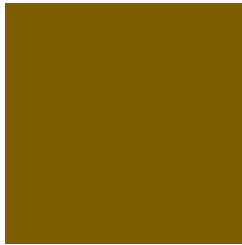
2.4978, 0.1597, 0.0948



10.7351, 0.1574, 0.0868

Previews

White Background



This preview shows how the Yxy color 12.1182, 0.4687, 0.4642 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 12.1182, 0.4687, 0.4642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

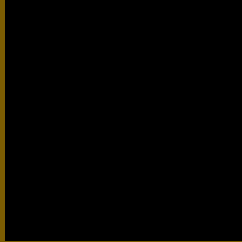
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1182, 0.4687, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 12.1182, 0.4687, 0.4642.



This preview shows how white text looks on a background with the Yxy color 12.1182, 0.4687, 0.4642.

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

12.1182, 0.4687, 0.4642

Protanopia

12.1302, 0.4375, 0.4841

Deuteranopia

12.1182, 0.4687, 0.4642



Tritanopia

12.0351, 0.3722, 0.3153

Trichromacy



Original Color

12.1182, 0.4687, 0.4642

Protanomaly

12.0897, 0.4497, 0.4764

Deuteranomaly

12.1182, 0.4687, 0.4642

Tritanomaly

11.9830, 0.4236, 0.3863

Monochromacy



Original Color

12.1182, 0.4687, 0.4642

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.9131, 0.3833, 0.4051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1182, 0.4687, 0.4642 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(124, 93, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 12.1182, 0.4687, 0.4642 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, 2) }
```

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

```
.border{ border-color:rgb(124, 93, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 93, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 93, 2);  
box-shadow:4px 4px 4px 4px rgb(124, 93, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1182, 0.4687, 0.4642 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, 2) }
```

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

```
.background{ background-color: rgb(124, 93,  
2) }
```

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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