

Converting Colors

$Y_{xy}(12.9751, 0.4630, 0.4706)$

Have a look what the booklet for
Yxy(12.9751, 0.4630, 0.4706)
contains.

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Color

Yxy(12.9094, 0.4636, 0.4701)

Conversions

Conversions Part 1

Format	Color
Hex	7D6100
RGB	125, 97, 0
RGB Percent	49%, 38%, 0%
CMY	0.5099, 0.6196, 1.0000
CMYK	0.00, 0.22, 1.00, 0.51
HSL	47°, 100%, 25%
HSV	47°, 100%, 49%
XYZ	12.7309, 12.9094, 1.8207
YIQ	94.3140, 47.8250, -24.2310

Conversions

Conversions Part 2

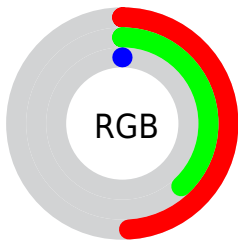
Format	Color
R _Y B	36, 125, 0
Decimal	8216832
CIE Lab	42.63, 3.13, 49.94
CIE LCh	43, 50.035, 86.419
Yxy	12.9094, 0.4636, 0.4701
Android (android.graphics.Color)	4286406912 (0xFF7D6100)
YUV	94.3140, -46.4968, 26.9116
Hunter-Lab	35.9297, 0.3708, 22.1464

Details

The Yxy color **12.9094, 0.4636, 0.4701** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.3100, 0.1580, 0.0887**, and the grayscale version is **11.3760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0070, 0.4337, 0.4441**, and **3.7072, 0.4725, 0.4631** is the 20% darker color. If you saturate the color by 10%, you get **12.9100, 0.4636, 0.4701**, and if you desaturate by 10%, it is **13.4641, 0.4536, 0.4675**.

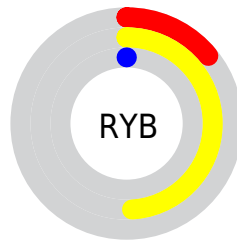
Distribution



Red (49%)

Green (38%)

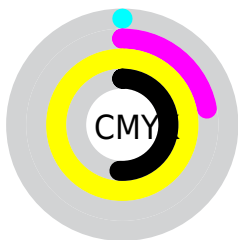
Blue (0%)



Red (14%)

Yellow (49%)

Blue (0%)

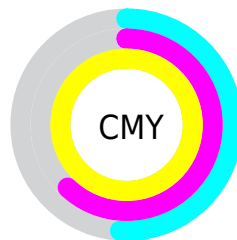


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9094, 0.4636, 0.4701 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 12.9094, 0.4636, 0.4701 by changing the saturation by 10% instead.


 12.9094, 0.4636,
0.4701


 12.9094, 0.4636,
0.4701


 210.3362, 0.3808,
0.3948


 7.3662, 0.4839,
0.4870


 31.1409, 0.4340,
0.4442


 3.6921, 0.5012,
0.4988

 44.5980, 0.4223,
0.4336

 1.5029, 0.5061,
0.4939

 61.4619, 0.4125,
0.4246

 0.2908, 0.5481,
0.4519

 82.1169, 0.4042,
0.4168


 0.0000, 0.0000,
0.0000


 106.9474, 0.3970,
0.4101


 136.3379, 0.3909,

0.4043


 170.6727, 0.3855,
0.3993


 12.9094, 0.4636,
0.4701

 12.9094, 0.4636,
0.4701


 12.9100, 0.4636,
0.4701

 13.4641, 0.4536,
0.4675

 14.0513, 0.4419,
0.4620

 14.6811, 0.4279,
0.4522

 15.3568, 0.4119,
0.4388

 16.0809, 0.3949,
0.4227

■ 16.8557, 0.3774,
0.4046

■ 17.6835, 0.3600,
0.3856

■ 18.5663, 0.3433,
0.3663

■ 19.5057, 0.3274,
0.3473

Harmonies

Analogous

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



12.9094, 0.5153, 0.3970



12.9094, 0.4636, 0.4701



12.9094, 0.3776, 0.5239

Triad

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



12.9094, 0.4636, 0.4701



12.9094, 0.1509, 0.2851



12.9094, 0.3161, 0.2104

Complementary

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



12.9094, 0.4636, 0.4701



2.3100, 0.1580, 0.0887

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.



12.9094, 0.2227, 0.1819



12.9094, 0.4636, 0.4701



12.9094, 0.1416, 0.2110

Square

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



12.9094, 0.4636, 0.4701



12.9094, 0.1978, 0.4029



12.9094, 0.1651, 0.1803



12.9094, 0.4268, 0.2614

Rectangle

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



12.9094, 0.4636, 0.4701



12.9094, 0.3130, 0.5239



12.9094, 0.1651, 0.1803



12.9094, 0.2815, 0.1981

Sweetspot

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



12.9100, 0.4636, 0.4701



31.5624, 0.3613, 0.3870



4.4486, 0.5903, 0.3026



7.0613, 0.3672, 0.3936



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.



12.9100, 0.4636, 0.4701



22.9003, 0.4648, 0.4691



16.9220, 0.3744, 0.5409



4.8613, 0.3261, 0.3456



13.4662, 0.4637, 0.4700



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.3100, 0.1580, 0.0887



3.9458, 0.1570, 0.0851



1.8092, 0.1690, 0.0705



4.3559, 0.2993, 0.3118



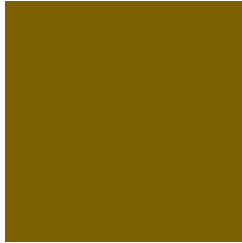
2.4018, 0.1579, 0.0884



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.9094, 0.4636, 0.4701 looks on a white background.

Color Contrast Check

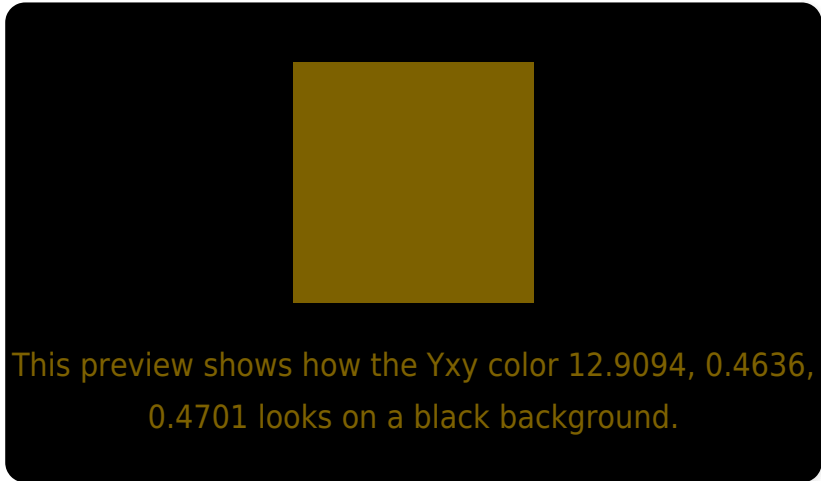
Large Text (above 18pt) WCAG AA ✓ Pass

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

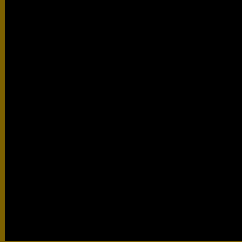
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9094, 0.4636, 0.4701

Background



This preview shows how black text looks on a background with the Yxy color 12.9094, 0.4636, 0.4701.



This preview shows how white text looks on a background with the Yxy color 12.9094, 0.4636, 0.4701.

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

12.9094, 0.4636, 0.4701

Protanopia

12.8979, 0.4375, 0.4854

Deuteranopia

12.9681, 0.4673, 0.4620



Tritanopia

12.9212, 0.3668, 0.3155

Trichromacy



Original Color

12.9094, 0.4636, 0.4701

Protanomaly

12.9747, 0.4462, 0.4804

Deuteranomaly

12.8865, 0.4667, 0.4642

Tritanomaly

12.7657, 0.4179, 0.3898

Monochromacy



Original Color

12.9094, 0.4636, 0.4701

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.5139, 0.3809, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9094, 0.4636, 0.4701 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(125, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 97, 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(125, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9094, 0.4636, 0.4701 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(125, 97, 0) }
```

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

```
.border{ border-color:rgb(125, 97, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 97, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9094, 0.4636, 0.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 97, 0) }
```

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

```
.background{ background-color: rgb(125, 97,  
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](#).

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