

Converting Colors

$Y_{xy}(12.7254, 0.4501, 0.4517)$

Have a look what the booklet for
Yxy(12.7254, 0.4501, 0.4517)
contains.

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Color

Yxy(12.7254, 0.4501, 0.4517)

Conversions

Conversions Part 1

Format	Color
Hex	7C601A
RGB	124, 96, 26
RGB Percent	49%, 38%, 10%
CMY	0.5138, 0.6235, 0.8979
CMYK	0.00, 0.23, 0.79, 0.51
HSL	43°, 65%, 29%
HSV	43°, 79%, 49%
XYZ	12.6803, 12.7254, 2.7665
YIQ	96.3920, 39.1580, -15.8340

Conversions

Conversions Part 2

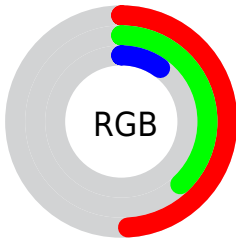
Format	Color
R_{YB}	65, 124, 26
Decimal	8151066
CIE Lab	42.35, 3.99, 41.80
CIE LCh	42, 41.991, 84.544
Yxy	12.7254, 0.4501, 0.4517
Android (android.graphics.Color)	4286341146 (0xFF7C601A)
YUV	96.3920, -34.7033, 24.2122
Hunter-Lab	35.6727, 1.0230, 20.3728

Details

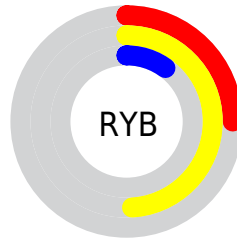
The Yxy color **12.7254, 0.4501, 0.4517** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **4.3135, 0.1837, 0.1472**, and the grayscale version is **11.8774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7691, 0.4210, 0.4265**, and **3.6589, 0.4780, 0.4587** is the 20% darker color. If you saturate the color by 10%, you get **12.0503, 0.4644, 0.4567**, and if you desaturate by 10%, it is **13.4549, 0.4335, 0.4425**.

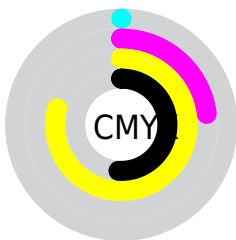
Distribution



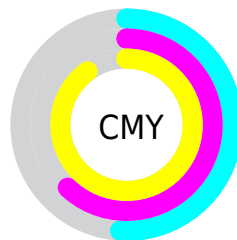
- Red (49%)
- Green (38%)
- Blue (10%)



- Red (25%)
- Yellow (49%)
- Blue (10%)



- Cyan (0%)
- Magenta (23%)
- Yellow (79%)
- Black (51%)




- Cyan (51%)
- Magenta (62%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7254, 0.4501, 0.4517 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 12.7254, 0.4501, 0.4517 by changing the saturation by 10% instead.


 12.7254, 0.4501,
0.4517


 12.7254, 0.4501,
0.4517


209.1502, 0.3716,
0.3837


 7.2397, 0.4699,
0.4671


 30.8096, 0.4202,
0.4268


 3.6125, 0.5052,
0.4948

 44.1768, 0.4092,
0.4173


 1.4592, 0.5114,
0.4886

 60.9401, 0.4001,
0.4093

 0.2598, 0.5700,
0.4300

 81.4838, 0.3925,
0.4025

 0.0000, 0.0000,
0.0000

 106.1922, 0.3860,
0.3968

 135.4499, 0.3805,

0.3918

■ 169.6411, 0.3758,
0.3875

■ 12.7254, 0.4501,
0.4517

■ 12.7254, 0.4501,
0.4517

■ 12.0503, 0.4644,
0.4567

■ 13.4549, 0.4335,
0.4425

■ 11.4192, 0.4769,
0.4583

■ 14.2401, 0.4153,
0.4297

■ 11.3584, 0.4782,
0.4585

■ 15.0842, 0.3965,
0.4144

■ 15.9898, 0.3776,
0.3974

■ 16.9592, 0.3594,
0.3796

■ 17.9944, 0.3421,
0.3617

■ 19.0975, 0.3261,
0.3442

■ 20.2703, 0.3113,
0.3274

■ 21.5145, 0.2979,
0.3116

Harmonies

Analogous

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



12.7254, 0.4886, 0.3895



12.7254, 0.4501, 0.4517



12.7254, 0.3781, 0.4936

Triad

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



12.7254, 0.4501, 0.4517



12.7254, 0.1737, 0.2995



12.7254, 0.3110, 0.2232

Complementary

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



12.7254, 0.4501, 0.4517



4.3135, 0.1837, 0.1472

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.



12.7254, 0.2314, 0.1991



12.7254, 0.4501, 0.4517



12.7254, 0.1621, 0.2315

Square

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



12.7254, 0.4501, 0.4517



12.7254, 0.2190, 0.3976



12.7254, 0.1814, 0.2002



12.7254, 0.4040, 0.2680

Rectangle

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



12.7254, 0.4501, 0.4517



12.7254, 0.3220, 0.4922



12.7254, 0.1814, 0.2002



12.7254, 0.2817, 0.2126

Sweetspot

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



12.7260, 0.4501, 0.4517



30.6456, 0.3516, 0.3716



5.3038, 0.4968, 0.2809



7.0915, 0.3568, 0.3769



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.



12.7260, 0.4501, 0.4517



20.2953, 0.4741, 0.4574



17.4534, 0.3838, 0.5095



4.4497, 0.3261, 0.3442



11.5449, 0.4783, 0.4584



53.5630, 0.4821, 0.4554

Inverse Universe

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



4.3135, 0.1837, 0.1472



5.0350, 0.1646, 0.1074



2.7668, 0.1880, 0.1017



4.0628, 0.2994, 0.3133



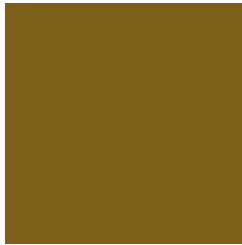
2.7223, 0.1616, 0.1019



11.7047, 0.1593, 0.0934

Previews

White Background



This preview shows how the Yxy color 12.7254, 0.4501, 0.4517 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 12.7254, 0.4501, 0.4517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

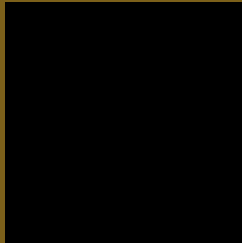
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7254, 0.4501, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 12.7254, 0.4501, 0.4517.



This preview shows how white text looks on a background with the Yxy color 12.7254, 0.4501, 0.4517.

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

12.7254, 0.4501, 0.4517

Protanopia

12.7042, 0.4260, 0.4679

Deuteranopia

12.6946, 0.4548, 0.4482



Tritanopia

12.8240, 0.3668, 0.3174

Trichromacy



Original Color

12.7254, 0.4501, 0.4517

Protanomaly

12.7847, 0.4338, 0.4623

Deuteranomaly

12.6190, 0.4533, 0.4491

Tritanomaly

12.6213, 0.4033, 0.3711

Monochromacy



Original Color

12.7254, 0.4501, 0.4517

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8848, 0.3656, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7254, 0.4501, 0.4517 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, 96, 26)` looks like.

```
.text, #text, p{  
  color:rgb(124, 96, 26)  
}
```

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, 96, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 96, 26) }
```

Border

The CSS property to change the border of an element to Yxy 12.7254, 0.4501, 0.4517 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, 96, 26) }
```

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

```
.border{ border-color:rgb(124, 96, 26) }
```

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

Here you see how a box with a 4 pixel rgb(124, 96, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 96, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 96, 26);  
box-shadow:4px 4px 4px 4px rgb(124, 96,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7254, 0.4501, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 96, 26) }
```

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

```
.background{ background-color: rgb(124, 96,  
26) }
```

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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