

Converting Colors

$Y_{xy}(12.3009, 0.4723, 0.4522)$

Have a look what the booklet for
Yxy(12.3009, 0.4723, 0.4522)
contains.

Yxy(12.2700, 0.4720, 0.4526)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.2700, 0.4720, 0.4526)$

Conversions

Conversions Part 1

Format	Color
Hex	805C0C
RGB	128, 92, 12
RGB Percent	50%, 36%, 5%
CMY	0.4980, 0.6392, 0.9526
CMYK	0.00, 0.28, 0.91, 0.50
HSL	41°, 83%, 27%
HSV	41°, 91%, 50%
XYZ	12.7959, 12.2700, 2.0441
YIQ	93.6440, 47.1360, -17.2480

Conversions

Conversions Part 2

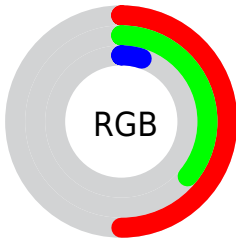
Format	Color
R_{YB}	64, 128, 12
Decimal	8412172
CIE Lab	41.64, 7.80, 46.23
CIE LCh	42, 46.882, 80.419
Yxy	12.2700, 0.4720, 0.4526
Android (android.graphics.Color)	4286602252 (0xFF805C0C)
YUV	93.6440, -40.2505, 30.1302
Hunter-Lab	35.0286, 3.9061, 21.0601

Details

The Yxy color **12.2700, 0.4720, 0.4526** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.7572, 0.1718, 0.1263**, and the grayscale version is **11.1957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0419, 0.4385, 0.4300**, and **3.4098, 0.4957, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **11.6101, 0.4847, 0.4534**, and if you desaturate by 10%, it is **13.0204, 0.4571, 0.4489**.

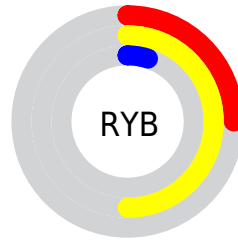
Distribution



Red (50%)

Green (36%)

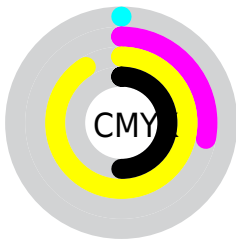
Blue (5%)



Red (25%)

Yellow (50%)

Blue (5%)

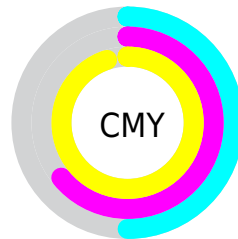


Cyan (0%)

Magenta (28%)

Yellow (91%)

Black (50%)



Cyan (50%)

Magenta (64%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2700, 0.4720, 0.4526 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 12.2700, 0.4720, 0.4526 by changing the saturation by 10% instead.


 12.2700, 0.4720,
0.4526


 12.2700, 0.4720,
0.4526


206.1847, 0.3817,
0.3872


 6.9278, 0.4951,
0.4658


 29.9859, 0.4383,
0.4303


 3.4170, 0.5225,
0.4775

 43.1284, 0.4256,
0.4211


 1.3531, 0.5348,
0.4652

 59.6399, 0.4150,
0.4132

 0.1818, 0.6665,
0.3335


 79.9047, 0.4061,
0.4065


 0.0000, 0.0000,
0.0000


 104.3071, 0.3986,
0.4006


 133.2317, 0.3922,

0.3955


 167.0627, 0.3866,
0.3911


 12.2700, 0.4720,
0.4526


 12.2700, 0.4720,
0.4526

 11.6101, 0.4847,
0.4534

 13.0204, 0.4571,
0.4489

 13.8321, 0.4397,
0.4408

 14.7095, 0.4208,
0.4290

 15.6555, 0.4012,
0.4144

 16.6730, 0.3817,
0.3980

■ 17.7648, 0.3628,
0.3808

■ 18.9331, 0.3451,
0.3634

■ 20.1802, 0.3286,
0.3463

■ 21.5084, 0.3135,
0.3299

Harmonies

Analogous

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



12.2700, 0.5106, 0.3821



12.2700, 0.4720, 0.4526



12.2700, 0.3945, 0.5092

Triad

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



12.2700, 0.4720, 0.4526



12.2700, 0.1631, 0.3077



12.2700, 0.2961, 0.2073

Complementary

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



12.2700, 0.4720, 0.4526



3.7572, 0.1718, 0.1263

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.



12.2700, 0.2125, 0.1846



12.2700, 0.4720, 0.4526



12.2700, 0.1468, 0.2269

Square

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



12.2700, 0.4720, 0.4526



12.2700, 0.2168, 0.4229



12.2700, 0.1633, 0.1891



12.2700, 0.4013, 0.2530

Rectangle

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



12.2700, 0.4720, 0.4526



12.2700, 0.3331, 0.5184



12.2700, 0.1633, 0.1891



12.2700, 0.2646, 0.1969

Sweetspot

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



12.2706, 0.4720, 0.4526



31.8693, 0.3575, 0.3756



5.0739, 0.5320, 0.2817



7.3291, 0.3626, 0.3806



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.



12.2706, 0.4720, 0.4526



20.1780, 0.4865, 0.4519



18.5751, 0.3882, 0.5218



4.8011, 0.3263, 0.3438



11.5148, 0.4847, 0.4534



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.7572, 0.1718, 0.1263



5.1529, 0.1621, 0.1036



2.1521, 0.1702, 0.0785



4.4128, 0.2993, 0.3137



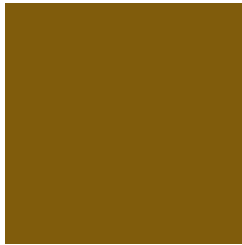
3.0356, 0.1632, 0.1075



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.2700, 0.4720, 0.4526 looks on a white background.

Color Contrast Check

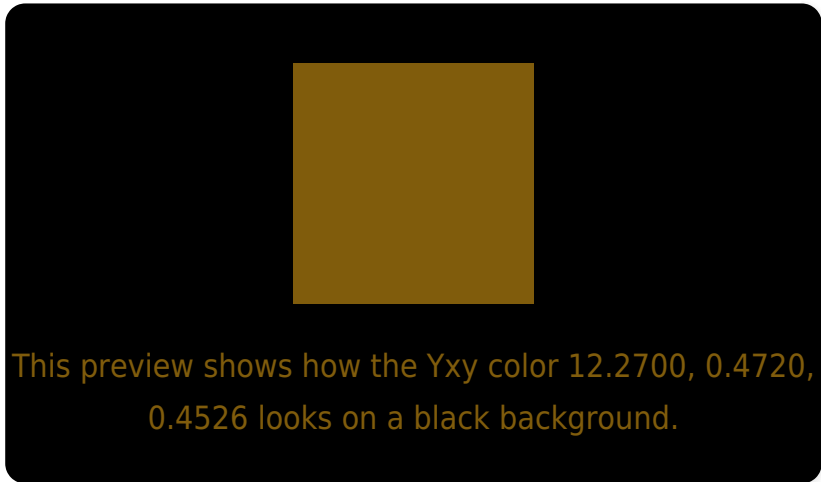
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2700, 0.4720, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 12.2700, 0.4720, 0.4526.



This preview shows how white text looks on a background with the Yxy color 12.2700, 0.4720, 0.4526.

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

12.2700, 0.4720, 0.4526

Protanopia

12.3349, 0.4327, 0.4810

Deuteranopia

12.3873, 0.4649, 0.4601



Tritanopia

12.3338, 0.3805, 0.3176

Trichromacy



Original Color

12.2700, 0.4720, 0.4526

Protanomaly

12.1767, 0.4478, 0.4704

Deuteranomaly

12.2885, 0.4677, 0.4569

Tritanomaly

12.1636, 0.4264, 0.3773

Monochromacy



Original Color

12.2700, 0.4720, 0.4526

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2630, 0.3783, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2700, 0.4720, 0.4526 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(128, 92, 12)` looks like.

```
.text, #text, p{  
    color:rgb(128, 92, 12)  
}
```

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(128, 92, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 92, 12) }
```

Border

The CSS property to change the border of an element to Yxy 12.2700, 0.4720, 0.4526 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(128, 92, 12) }
```

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

```
.border{ border-color:rgb(128, 92, 12) }
```

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

Here you see how a box with a 4 pixel rgb(128, 92, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 92, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 92, 12);  
box-shadow:4px 4px 4px 4px rgb(128, 92,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2700, 0.4720, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 92, 12) }
```

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

```
.background{ background-color: rgb(128, 92,  
12) }
```

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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