

Converting Colors

$Y_{xy}(12.1311, 0.4543, 0.4775)$

Have a look what the booklet for
Yxy(12.1311, 0.4543, 0.4775)
contains.

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Color

Yxy(12.1476, 0.4534, 0.4782)

Conversions

Conversions Part 1

Format	Color
Hex	756000
RGB	117, 96, 0
RGB Percent	46%, 38%, 0%
CMY	0.5412, 0.6235, 1.0000
CMYK	0.00, 0.18, 1.00, 0.54
HSL	49°, 100%, 23%
HSV	49°, 100%, 46%
XYZ	11.5176, 12.1476, 1.7375
YIQ	91.3350, 43.3320, -25.4040

Conversions

Conversions Part 2

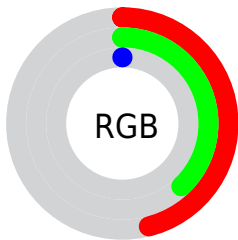
Format	Color
R_{YB}	26, 117, 0
Decimal	7692288
CIE Lab	41.45, -0.20, 48.70
CIE LCh	41, 48.699, 90.238
Yxy	12.1476, 0.4534, 0.4782
Android (android.graphics.Color)	4285882368 (0xFF756000)
YUV	91.3350, -45.0282, 22.5082
Hunter-Lab	34.8534, -2.0066, 21.4416

Details

The Yxy color **12.1476, 0.4534, 0.4782** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.8196, 0.1560, 0.0816**, and the grayscale version is **10.6396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7475, 0.4266, 0.4488**, and **3.3712, 0.4581, 0.4745** is the 20% darker color. If you saturate the color by 10%, you get **12.1482, 0.4534, 0.4782**, and if you desaturate by 10%, it is **12.5620, 0.4447, 0.4744**.

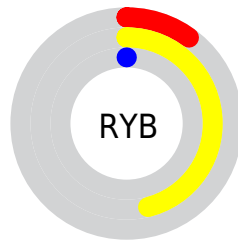
Distribution



Red (46%)

Green (38%)

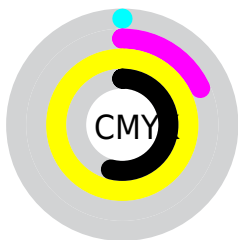
Blue (0%)



Red (10%)

Yellow (46%)

Blue (0%)

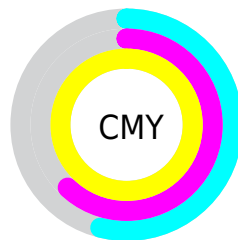


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (62%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1476, 0.4534, 0.4782 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 12.1476, 0.4534, 0.4782 by changing the saturation by 10% instead.


 12.1476, 0.4534,
0.4782


 12.1476, 0.4534,
0.4782


 205.3800, 0.3761,
0.3961


 6.8443, 0.4729,
0.4990


 29.7636, 0.4258,
0.4488


 3.3649, 0.4864,
0.5136

 42.8452, 0.4150,
0.4373


 1.3251, 0.4860,
0.5140

 59.2882, 0.4058,
0.4275

 0.1605, 0.4791,
0.5209


 79.4771, 0.3979,
0.4192


 0.0000, 0.0000,
0.0000


 103.7964, 0.3913,
0.4121


 132.6304, 0.3855,


0.4060


 166.3634, 0.3805,
0.4007


 12.1476, 0.4534,
0.4782


 12.1476, 0.4534,
0.4782

 12.1482, 0.4534,
0.4782

 12.5620, 0.4447,
0.4744

 12.9979, 0.4346,
0.4680

 13.4650, 0.4221,
0.4576

 13.9658, 0.4076,
0.4435

 14.5023, 0.3918,
0.4267

■ 15.0766, 0.3754,
0.4080

■ 15.6904, 0.3588,
0.3882

■ 16.3453, 0.3427,
0.3681

■ 17.0428, 0.3272,
0.3482

Harmonies

Analogous

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



12.1476, 0.5105, 0.4062



12.1476, 0.4534, 0.4782



12.1476, 0.3654, 0.5257

Triad

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



12.1476, 0.4534, 0.4782



12.1476, 0.1486, 0.2734



12.1476, 0.3300, 0.2164

Complementary

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



12.1476, 0.4534, 0.4782



1.8196, 0.1560, 0.0816

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.



12.1476, 0.2332, 0.1848



12.1476, 0.4534, 0.4782



12.1476, 0.1437, 0.2057

Square

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



12.1476, 0.4534, 0.4782



12.1476, 0.1904, 0.3864



12.1476, 0.1712, 0.1796



12.1476, 0.4389, 0.2695

Rectangle

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



12.1476, 0.4534, 0.4782



12.1476, 0.3009, 0.5176



12.1476, 0.1712, 0.1796



12.1476, 0.2945, 0.2031

Sweetspot

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



12.1482, 0.4534, 0.4782



28.0163, 0.3601, 0.3897



3.8368, 0.6033, 0.3097



6.3567, 0.3655, 0.3963



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1482, 0.4534, 0.4782



21.5827, 0.4544, 0.4774



14.4223, 0.3666, 0.5471



4.1600, 0.3258, 0.3463



13.3680, 0.4536, 0.4781



64.0102, 0.4557, 0.4763

Inverse Universe

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



1.8196, 0.1560, 0.0816



3.1039, 0.1551, 0.0782



1.6782, 0.1759, 0.0743



3.6864, 0.2995, 0.3111



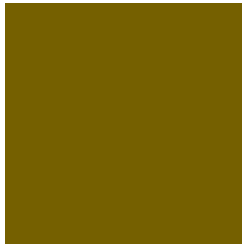
1.9869, 0.1558, 0.0810



8.7583, 0.1540, 0.0742

Previews

White Background



This preview shows how the Yxy color 12.1476, 0.4534, 0.4782 looks on a white background.

Color Contrast Check

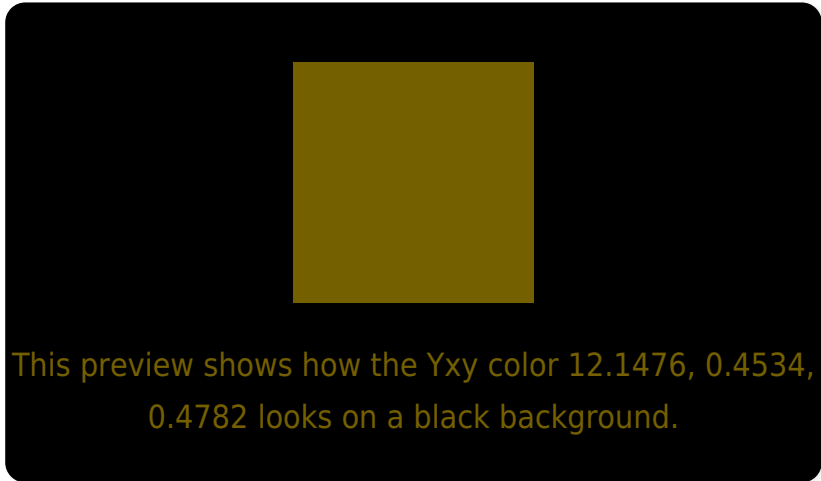
Large Text (above 18pt) WCAG AA ✓ Pass

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

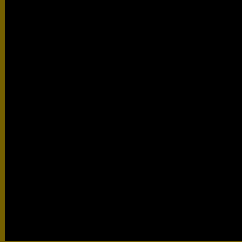
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1476, 0.4534, 0.4782

Background



This preview shows how black text looks on a background with the Yxy color 12.1476, 0.4534, 0.4782.



This preview shows how white text looks on a background with the Yxy color 12.1476, 0.4534, 0.4782.

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

12.1476, 0.4534, 0.4782

Protanopia

12.1258, 0.4383, 0.4854

Deuteranopia

12.1335, 0.4657, 0.4603



Tritanopia

12.1269, 0.3559, 0.3148

Trichromacy



Original Color

12.1476, 0.4534, 0.4782

Protanomaly

12.0667, 0.4441, 0.4827

Deuteranomaly

12.0835, 0.4606, 0.4669

Tritanomaly

11.9843, 0.4074, 0.3933

Monochromacy



Original Color

12.1476, 0.4534, 0.4782

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.8435, 0.3770, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1476, 0.4534, 0.4782 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(117, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 96, 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(117, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 96, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.1476, 0.4534, 0.4782 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(117, 96, 0) }
```

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

```
.border{ border-color:rgb(117, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 96, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1476, 0.4534, 0.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 96, 0) }
```

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

```
.background{ background-color: rgb(117, 96,  
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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