

Converting Colors

$Y_{xy}(18.4498, 0.4481, 0.4729)$

Have a look what the booklet for
Yxy(18.4498, 0.4481, 0.4729)
contains.

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Color

Yxy(18.4198, 0.4477, 0.4730)

Conversions

Conversions Part 1

Format	Color
Hex	8D750F
RGB	141, 117, 15
RGB Percent	55%, 46%, 6%
CMY	0.4470, 0.5412, 0.9412
CMYK	0.00, 0.17, 0.89, 0.45
HSL	49°, 81%, 31%
HSV	49°, 89%, 55%
XYZ	17.4346, 18.4198, 3.0881
YIQ	112.5480, 47.0460, -26.6340

Conversions

Conversions Part 2

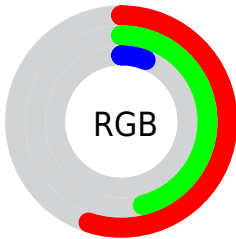
Format	Color
R_{YB}	45, 141, 15
Decimal	9270543
CIE Lab	50.00, -0.40, 52.80
CIE LCh	50, 52.805, 90.429
Yxy	18.4198, 0.4477, 0.4730
Android (android.graphics.Color)	4287460623 (0xFF8D750F)
YUV	112.5480, -48.0912, 24.9524
Hunter-Lab	42.9183, -2.5956, 25.7767

Details

The Yxy color **18.4198, 0.4477, 0.4730** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4777, 0.1648, 0.1000**, and the grayscale version is **16.5081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8366, 0.4231, 0.4475**, and **6.2825, 0.4578, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **17.7707, 0.4561, 0.4755**, and if you desaturate by 10%, it is **19.1109, 0.4372, 0.4671**.

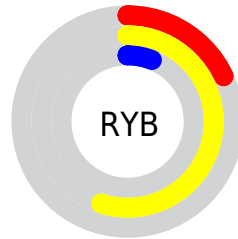
Distribution



Red (55%)

Green (46%)

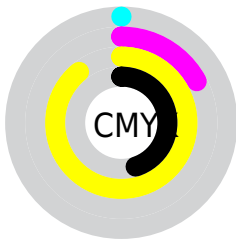
Blue (6%)



Red (18%)

Yellow (55%)

Blue (6%)

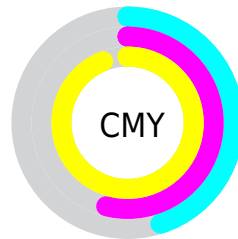


Cyan (0%)

Magenta (17%)

Yellow (89%)

Black (45%)



Cyan (45%)


Magenta (54%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4198, 0.4477, 0.4730 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 18.4198, 0.4477, 0.4730 by changing the saturation by 10% instead.


 18.4198, 0.4477,
0.4730

 18.4198, 0.4477,
0.4730


243.2267, 0.3774,
0.3978


 11.2518, 0.4620,
0.4885


 40.7514, 0.4233,
0.4468


 6.2365, 0.4858,
0.5142


 56.6837, 0.4136,
0.4364


 2.9894, 0.4854,
0.5146

 76.3063, 0.4052,
0.4274

 1.1262, 0.4847,
0.5153

 100.0035, 0.3980,
0.4198

 0.0002, 0.0000,
1.0000


 128.1598, 0.3918,
0.4131

 0.0000, 0.0000,
0.0000

 161.1595, 0.3864,


0.4073


 199.3870, 0.3816,
0.4023


 18.4198, 0.4477,
0.4730


 18.4198, 0.4477,
0.4730

 17.7707, 0.4561,
0.4755


 19.1109, 0.4372,
0.4671

 17.7301, 0.4566,
0.4756

 19.8512, 0.4242,
0.4569

 20.6456, 0.4092,
0.4429

 21.4977, 0.3929,
0.4261

 22.4104, 0.3759,
0.4072

■ 23.3866, 0.3589,
0.3873

■ 24.4289, 0.3423,
0.3670

■ 25.5396, 0.3266,
0.3470

■ 26.7210, 0.3118,
0.3278

Harmonies

Analogous

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



18.4198, 0.5011, 0.4053



18.4198, 0.4477, 0.4730



18.4198, 0.3640, 0.5150

Triad

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



18.4198, 0.4477, 0.4730



18.4198, 0.1558, 0.2767



18.4198, 0.3302, 0.2217

Complementary

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



18.4198, 0.4477, 0.4730



3.4777, 0.1648, 0.1000

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.



18.4198, 0.2378, 0.1911



18.4198, 0.4477, 0.4730



18.4198, 0.1508, 0.2117

Square

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



18.4198, 0.4477, 0.4730



18.4198, 0.1964, 0.3826



18.4198, 0.1777, 0.1862



18.4198, 0.4326, 0.2731

Rectangle

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



18.4198, 0.4477, 0.4730



18.4198, 0.3023, 0.5054



18.4198, 0.1777, 0.1862



18.4198, 0.2965, 0.2089

Sweetspot

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



18.4207, 0.4477, 0.4730



42.1932, 0.3559, 0.3836



6.1606, 0.5684, 0.3033



9.3051, 0.3609, 0.3896



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.4207, 0.4477, 0.4730



31.5097, 0.4575, 0.4749



21.9863, 0.3705, 0.5348



6.1131, 0.3263, 0.3467



16.1833, 0.4564, 0.4758



0.1838, 0.4362, 0.4919

Inverse Universe

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



3.4777, 0.1648, 0.1000



4.6460, 0.1551, 0.0782



3.0169, 0.1844, 0.0864



5.4111, 0.2990, 0.3107



2.4819, 0.1560, 0.0815



0.0484, 0.1738, 0.1458

Previews

White Background



This preview shows how the Yxy color 18.4198, 0.4477, 0.4730 looks on a white background.

Color Contrast Check

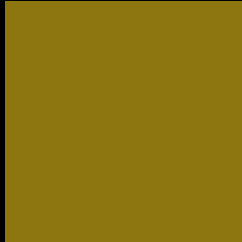
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.4198, 0.4477, 0.4730 looks on a black 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

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

Yxy 18.4198, 0.4477, 0.4730

Background



This preview shows how black text looks on a background with the Yxy color 18.4198, 0.4477, 0.4730.



This preview shows how white text looks on a background with the Yxy color 18.4198, 0.4477, 0.4730.

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

18.4198, 0.4477, 0.4730

Protanopia

18.5387, 0.4337, 0.4831

Deuteranopia

18.3413, 0.4636, 0.4572



Tritanopia

18.4247, 0.3545, 0.3153

Trichromacy



Original Color

18.4198, 0.4477, 0.4730

Protanomaly

18.5494, 0.4391, 0.4789

Deuteranomaly

18.2813, 0.4587, 0.4618

Tritanomaly

18.1873, 0.4008, 0.3852

Monochromacy



Original Color

18.4198, 0.4477, 0.4730

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.7814, 0.3719, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4198, 0.4477, 0.4730 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(141, 117, 15)` looks like.

```
.text, #text, p{  
    color:rgb(141, 117, 15)  
}
```

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(141, 117, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 117, 15) }
```

Border

The CSS property to change the border of an element to Yxy 18.4198, 0.4477, 0.4730 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(141, 117, 15) }
```

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

```
.border{ border-color:rgb(141, 117, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 117, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 117, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 117, 15);  
box-shadow:4px 4px 4px 4px rgb(141, 117,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4198, 0.4477, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 117, 15) }
```

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

```
.background{ background-color: rgb(141,  
117, 15) }
```

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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