

Converting Colors

$Y_{xy}(18.9452, 0.4441, 0.4778)$

Have a look what the booklet for
Yxy(18.9452, 0.4441, 0.4778)
contains.

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Color

Yxy(18.7982, 0.4441, 0.4775)

Conversions

Conversions Part 1

Format	Color
Hex	8C770D
RGB	140, 119, 13
RGB Percent	55%, 47%, 5%
CMY	0.4510, 0.5333, 0.9491
CMYK	0.00, 0.15, 0.91, 0.45
HSL	50°, 83%, 30%
HSV	50°, 91%, 55%
XYZ	17.4833, 18.7982, 3.0864
YIQ	113.1950, 46.5420, -28.5140

Conversions

Conversions Part 2

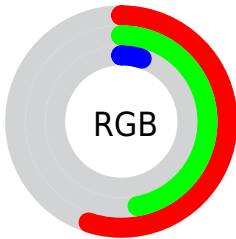
Format	Color
RYB	38, 140, 13
Decimal	9205517
CIELab	50.45, -2.07, 53.59
CIELCh	50, 53.628, 92.208
Yxy	18.7982, 0.4441, 0.4775
Android (android.graphics.Color)	4287395597 (0xFF8C770D)
YUV	113.1950, -49.3961, 23.5080
Hunter-Lab	43.3569, -3.8959, 26.1291

Details

The Yxy color **18.7982, 0.4441, 0.4775** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1197, 0.1622, 0.0925**, and the grayscale version is **16.7131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4511, 0.4205, 0.4501**, and **6.4849, 0.4510, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **18.2659, 0.4510, 0.4801**, and if you desaturate by 10%, it is **19.4063, 0.4349, 0.4718**.

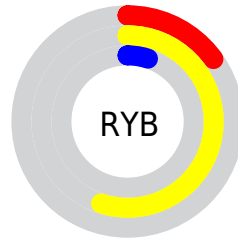
Distribution



Red (55%)

Green (47%)

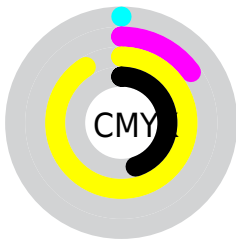
Blue (5%)



Red (15%)

Yellow (55%)

Blue (5%)

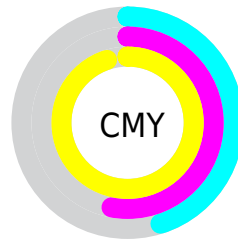


Cyan (0%)

Magenta (15%)

Yellow (91%)

Black (45%)



Cyan (45%)


Magenta (53%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7982, 0.4441, 0.4775 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 18.7982, 0.4441, 0.4775 by changing the saturation by 10% instead.


 18.7982, 0.4441,
0.4775


 18.7982, 0.4441,
0.4775


245.3324, 0.3764,
0.3997


 11.5246, 0.4574,
0.4938


 41.3928, 0.4209,
0.4503


 6.4208, 0.4795,
0.5205


 57.4826, 0.4115,
0.4395

 3.1026, 0.4774,
0.5226

 77.2799, 0.4035,
0.4303

 1.1855, 0.4736,
0.5264

 101.1690, 0.3965,
0.4223


 0.0498, 0.0000,
1.0000


 129.5345, 0.3904,
0.4155


 0.0000, 0.0000,
0.0000


 162.7606, 0.3851,


0.4095

 201.2318, 0.3805,
0.4043

 18.7982, 0.4441,
0.4775


 18.7982, 0.4441,
0.4775


 18.2659, 0.4510,
0.4801

 19.4063, 0.4349,
0.4718

 20.0579, 0.4231,
0.4618

 20.7578, 0.4091,
0.4480

 21.5095, 0.3937,
0.4311

 22.3159, 0.3773,
0.4121

■ 23.1798, 0.3607,
0.3917

■ 24.1038, 0.3443,
0.3710

■ 25.0901, 0.3286,
0.3504

■ 26.1410, 0.3138,
0.3304

Harmonies

Analogous

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



18.7982, 0.5006, 0.4097



18.7982, 0.4441, 0.4775



18.7982, 0.3587, 0.5173

Triad

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



18.7982, 0.4441, 0.4775



18.7982, 0.1535, 0.2710



18.7982, 0.3365, 0.2235

Complementary

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



18.7982, 0.4441, 0.4775



3.1197, 0.1622, 0.0925

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.



18.7982, 0.2419, 0.1913



18.7982, 0.4441, 0.4775



18.7982, 0.1505, 0.2083

Square

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



18.7982, 0.4441, 0.4775



18.7982, 0.1920, 0.3760



18.7982, 0.1794, 0.1847



18.7982, 0.4391, 0.2762

Rectangle

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



18.7982, 0.4441, 0.4775



18.7982, 0.2965, 0.5043



18.7982, 0.1794, 0.1847



18.7982, 0.3022, 0.2102

Sweetspot

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



18.7991, 0.4441, 0.4775



41.3779, 0.3554, 0.3852



5.9779, 0.5825, 0.3096



9.4254, 0.3603, 0.3913



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.



18.7991, 0.4441, 0.4775



32.0092, 0.4518, 0.4795



21.3594, 0.3653, 0.5401



5.7067, 0.3262, 0.3471



16.2568, 0.4508, 0.4802



0.1253, 0.4337, 0.4939

Inverse Universe

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



3.1197, 0.1622, 0.0925



4.2621, 0.1541, 0.0745



3.0012, 0.1874, 0.0870



5.0172, 0.2991, 0.3102



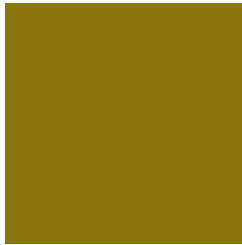
2.2526, 0.1549, 0.0777



0.0295, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 18.7982, 0.4441, 0.4775 looks on a white background.

Color Contrast Check

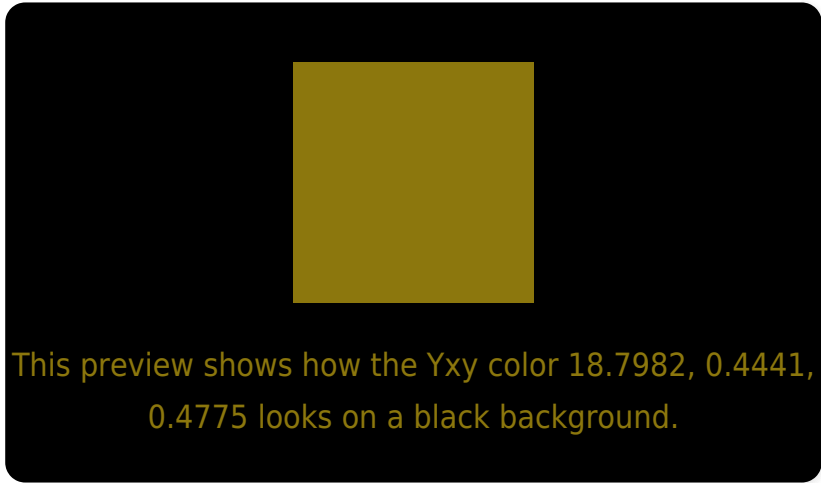
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 18.7982, 0.4441, 0.4775

Background



This preview shows how black text looks on a background with the Yxy color 18.7982, 0.4441, 0.4775.

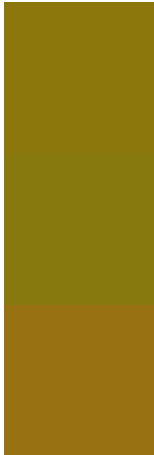


This preview shows how white text looks on a background with the Yxy color 18.7982, 0.4441, 0.4775.

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

18.7982, 0.4441, 0.4775

Protanopia

18.9407, 0.4357, 0.4834

Deuteranopia

18.7537, 0.4651, 0.4572



Tritanopia

18.9038, 0.3511, 0.3154

Trichromacy



Original Color

18.7982, 0.4441, 0.4775

Protanomaly

18.7830, 0.4384, 0.4812

Deuteranomaly

18.8241, 0.4578, 0.4645

Tritanomaly

18.5431, 0.3978, 0.3889

Monochromacy



Original Color

18.7982, 0.4441, 0.4775

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0082, 0.3712, 0.4037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7982, 0.4441, 0.4775 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(140, 119, 13)` looks like.

```
.text, #text, p{  
    color:rgb(140, 119, 13)  
}
```

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(140, 119, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 119, 13) }
```

Border

The CSS property to change the border of an element to Yxy 18.7982, 0.4441, 0.4775 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(140, 119, 13) }
```

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

```
.border{ border-color:rgb(140, 119, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 119, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 119, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 119, 13);  
box-shadow:4px 4px 4px 4px rgb(140, 119,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7982, 0.4441, 0.4775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 119, 13) }
```

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

```
.background{ background-color: rgb(140,  
119, 13) }
```

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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