

Converting Colors

$Y_{xy}(18.2035, 0.4766, 0.4499)$

Have a look what the booklet for
Yxy(18.2035, 0.4766, 0.4499)
contains.

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Color

Yxy(18.2572, 0.4770, 0.4494)

Conversions

Conversions Part 1

Format	Color
Hex	9C6E10
RGB	156, 110, 16
RGB Percent	61%, 43%, 6%
CMY	0.3883, 0.5686, 0.9375
CMYK	0.00, 0.29, 0.90, 0.39
HSL	40°, 81%, 34%
HSV	40°, 90%, 61%
XYZ	19.3785, 18.2572, 2.9901
YIQ	113.0380, 57.5900, -19.4820

Conversions

Conversions Part 2

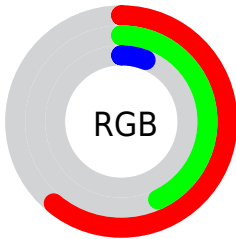
Format	Color
R_{YB}	85, 156, 16
Decimal	10251792
CIE _{Lab}	49.81, 10.63, 53.12
CIE _{LCh}	50, 54.174, 78.681
Yxy	18.2572, 0.4770, 0.4494
Android (android.graphics.Color)	4288441872 (0xFF9C6E10)
YUV	113.0380, -47.8397, 37.6777
Hunter-Lab	42.7284, 6.1797, 25.7609

Details

The Yxy color **18.2572, 0.4770, 0.4494** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9460, 0.1722, 0.1291**, and the grayscale version is **16.6557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3917, 0.4465, 0.4304**, and **6.2643, 0.4975, 0.4432** is the 20% darker color. If you saturate the color by 10%, you get **17.1481, 0.4905, 0.4485**, and if you desaturate by 10%, it is **19.4601, 0.4612, 0.4463**.

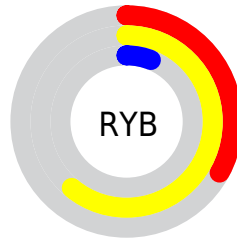
Distribution



Red (61%)

Green (43%)

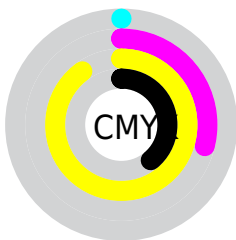
Blue (6%)



Red (33%)

Yellow (61%)

Blue (6%)

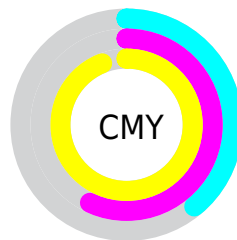


Cyan (0%)

Magenta (29%)

Yellow (90%)

Black (39%)



Cyan (39%)


Magenta (57%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2572, 0.4770, 0.4494 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 18.2572, 0.4770, 0.4494 by changing the saturation by 10% instead.


 18.2572, 0.4770,
0.4494


 18.2572, 0.4770,
0.4494


242.3168, 0.3894,
0.3908


 11.1348, 0.4964,
0.4587


 40.4751, 0.4458,
0.4308

 6.1576, 0.5266,
0.4734

 56.3394, 0.4336,
0.4227

 2.9411, 0.5372,
0.4628

 75.8864, 0.4233,
0.4156

 1.1011, 0.5555,
0.4445

 99.5006, 0.4145,
0.4093

 0.0000, 1.0000,
0.0000

 127.5664, 0.4069,
0.4038

 0.0000, 0.0000,
0.0000


 160.4680, 0.4003,

0.3990


 198.5900, 0.3945,
0.3947


 18.2572, 0.4770,
0.4494


 18.2572, 0.4770,
0.4494


 17.1481, 0.4905,
0.4485

 19.4601, 0.4612,
0.4463

 17.1250, 0.4908,
0.4485

 20.7671, 0.4430,
0.4386

 22.1851, 0.4231,
0.4270

 23.7193, 0.4026,
0.4126

 25.3746, 0.3823,
0.3963

■ 27.1554, 0.3628,
0.3791

■ 29.0658, 0.3445,
0.3618

■ 31.1095, 0.3277,
0.3449

■ 33.2902, 0.3124,
0.3287

Harmonies

Analogous

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



18.2572, 0.5132, 0.3781



18.2572, 0.4770, 0.4494



18.2572, 0.4002, 0.5088

Triad

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



18.2572, 0.4770, 0.4494



18.2572, 0.1637, 0.3134



18.2572, 0.2901, 0.2042

Complementary

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



18.2572, 0.4770, 0.4494



5.9460, 0.1722, 0.1291

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.



18.2572, 0.2076, 0.1828



18.2572, 0.4770, 0.4494



18.2572, 0.1453, 0.2291

Square

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



18.2572, 0.4770, 0.4494



18.2572, 0.2199, 0.4309



18.2572, 0.1601, 0.1889



18.2572, 0.3962, 0.2491

Rectangle

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



18.2572, 0.4770, 0.4494



18.2572, 0.3385, 0.5214



18.2572, 0.1601, 0.1889



18.2572, 0.2589, 0.1942

Sweetspot

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



18.2581, 0.4770, 0.4494



50.0871, 0.3585, 0.3752



7.7905, 0.5289, 0.2788



10.7897, 0.3644, 0.3806



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.2581, 0.4770, 0.4494



30.7349, 0.4925, 0.4472



28.7700, 0.3908, 0.5205



7.3530, 0.3268, 0.3440



14.1721, 0.4901, 0.4490



0.3272, 0.4561, 0.4761

Inverse Universe

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



5.9460, 0.1722, 0.1291



8.3714, 0.1627, 0.1055



3.2054, 0.1677, 0.0764



6.7733, 0.2988, 0.3136



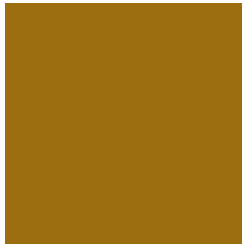
4.0009, 0.1639, 0.1102



0.1444, 0.1854, 0.1873

Previews

White Background



This preview shows how the Yxy color 18.2572, 0.4770, 0.4494 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 18.2572, 0.4770, 0.4494 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 18.2572, 0.4770, 0.4494

Background



This preview shows how black text looks on a background with the Yxy color 18.2572, 0.4770, 0.4494.



This preview shows how white text looks on a background with the Yxy color 18.2572, 0.4770, 0.4494.

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

18.2572, 0.4770, 0.4494

Protanopia

18.3090, 0.4339, 0.4801

Deuteranopia

18.3233, 0.4660, 0.4602



Tritanopia

18.2056, 0.3868, 0.3163

Trichromacy



Original Color

18.2572, 0.4770, 0.4494

Protanomaly

18.2852, 0.4493, 0.4692

Deuteranomaly

18.2954, 0.4697, 0.4566

Tritanomaly

17.9959, 0.4314, 0.3759

Monochromacy



Original Color

18.2572, 0.4770, 0.4494

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.8055, 0.3806, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2572, 0.4770, 0.4494 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(156, 110, 16)` looks like.

```
.text, #text, p{  
    color:rgb(156, 110, 16)  
}
```

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(156, 110, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 110, 16) }
```

Border

The CSS property to change the border of an element to Yxy 18.2572, 0.4770, 0.4494 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(156, 110, 16) }
```

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

```
.border{ border-color:rgb(156, 110, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 110, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 110, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 110, 16);  
box-shadow:4px 4px 4px 4px rgb(156, 110,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2572, 0.4770, 0.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 110, 16) }
```

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

```
.background{ background-color: rgb(156,  
110, 16) }
```

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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