

Converting Colors

$Y_{xy}(18.0050, 0.4998, 0.4702)$

Have a look what the booklet for
Yxy(18.0050, 0.4998, 0.4702)
contains.

Yxy(18.1054, 0.4849, 0.4532)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(18.1054, 0.4849, 0.4532)

Conversions

Conversions Part 1

Format	Color
Hex	9D6D00
RGB	157, 109, 0
RGB Percent	62%, 43%, 0%
CMY	0.3844, 0.5725, 1.0000
CMYK	0.00, 0.31, 1.00, 0.38
HSL	42°, 100%, 31%
HSV	42°, 100%, 62%
XYZ	19.3718, 18.1054, 2.4729
YIQ	110.9260, 63.5970, -23.7230

Conversions

Conversions Part 2

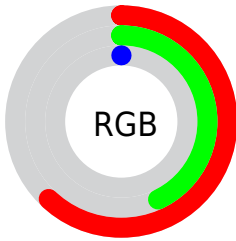
Format	Color
RYB	69, 157, 0
Decimal	10317056
CIELab	49.62, 11.39, 56.51
CIELCh	50, 57.642, 78.606
Yxy	18.1054, 0.4849, 0.4532
Android (android.graphics.Color)	4288507136 (0xFF9D6D00)
YUV	110.9260, -54.6865, 40.4069
Hunter-Lab	42.5504, 6.8019, 26.3395

Details

The Yxy color **18.1054, 0.4849, 0.4532** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.5463, 0.1620, 0.1031**, and the grayscale version is **16.0222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0994, 0.4536, 0.4353**, and **6.1546, 0.5001, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **18.1064, 0.4849, 0.4532**, and if you desaturate by 10%, it is **19.1948, 0.4724, 0.4536**.

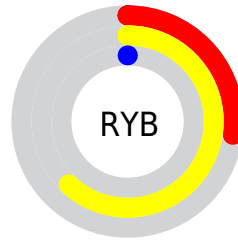
Distribution



Red (62%)

Green (43%)

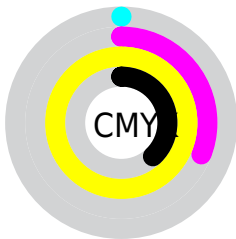
Blue (0%)



Red (27%)

Yellow (62%)

Blue (0%)

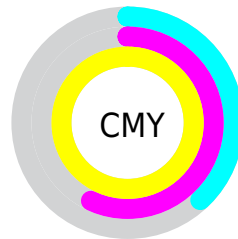


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1054, 0.4849, 0.4532 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 18.1054, 0.4849, 0.4532 by changing the saturation by 10% instead.


 18.1054, 0.4849,
0.4532


 18.1054, 0.4849,
0.4532


241.4645, 0.3943,
0.3944


 11.0257, 0.5040,
0.4614


 40.2168, 0.4532,
0.4353


 6.0841, 0.5295,
0.4705


 56.0174, 0.4407,
0.4272


 2.8963, 0.5409,
0.4591


 75.4936, 0.4299,
0.4200

 1.0778, 0.5606,
0.4394

 99.0300, 0.4207,
0.4136

 0.0000, 1.0000,
0.0000


 127.0108, 0.4127,
0.4079


 0.0000, 0.0000,
0.0000


 159.8206, 0.4058,


0.4029

 197.8437, 0.3997,
0.3984


 18.1054, 0.4849,
0.4532


 18.1054, 0.4849,
0.4532


 18.1064, 0.4849,
0.4532

 19.1948, 0.4724,
0.4536

 20.3681, 0.4577,
0.4502

 21.6394, 0.4404,
0.4422

 23.0147, 0.4214,
0.4303

 24.4993, 0.4017,
0.4155

■ 26.0977, 0.3819,
0.3988

■ 27.8144, 0.3627,
0.3811

■ 29.6531, 0.3447,
0.3633

■ 31.6177, 0.3280,
0.3458

Harmonies

Analogous

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



18.1054, 0.5250, 0.3780



18.1054, 0.4849, 0.4532



18.1054, 0.4030, 0.5188

Triad

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



18.1054, 0.4849, 0.4532



18.1054, 0.1555, 0.3115



18.1054, 0.2879, 0.1977

Complementary

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



18.1054, 0.4849, 0.4532



4.5463, 0.1620, 0.1031

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.



18.1054, 0.2015, 0.1755



18.1054, 0.4849, 0.4532



18.1054, 0.1371, 0.2227

Square

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



18.1054, 0.4849, 0.4532



18.1054, 0.2137, 0.4388



18.1054, 0.1525, 0.1815



18.1054, 0.4010, 0.2443

Rectangle

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



18.1054, 0.4849, 0.4532



18.1054, 0.3381, 0.5349



18.1054, 0.1525, 0.1815



18.1054, 0.2550, 0.1874

Sweetspot

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



18.1064, 0.4849, 0.4532



49.6362, 0.3638, 0.3821



7.3949, 0.5672, 0.2898



10.6538, 0.3712, 0.3891



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.



18.1064, 0.4849, 0.4532



32.0798, 0.4864, 0.4520



28.7160, 0.3877, 0.5304



7.3779, 0.3268, 0.3445



14.7751, 0.4842, 0.4537



0.3349, 0.4532, 0.4783

Inverse Universe

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



4.5463, 0.1620, 0.1031



7.8429, 0.1611, 0.1000



2.6920, 0.1593, 0.0651



6.7495, 0.2988, 0.3130



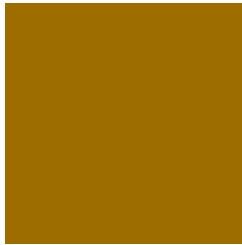
3.7521, 0.1624, 0.1045



0.1369, 0.1835, 0.1805

Previews

White Background



This preview shows how the Yxy color 18.1054, 0.4849, 0.4532 looks on a white background.

Color Contrast Check

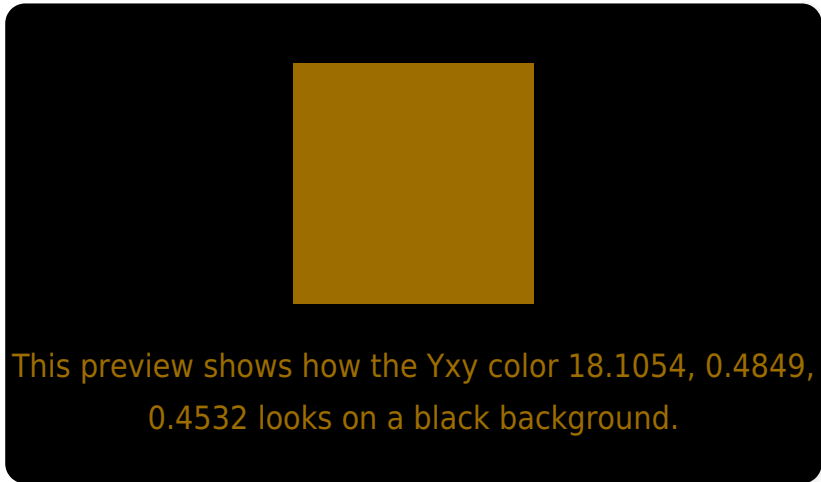
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 18.1054, 0.4849, 0.4532

Background



This preview shows how black text looks on a background with the Yxy color 18.1054, 0.4849, 0.4532.



This preview shows how white text looks on a background with the Yxy color 18.1054, 0.4849, 0.4532.

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

18.1054, 0.4849, 0.4532

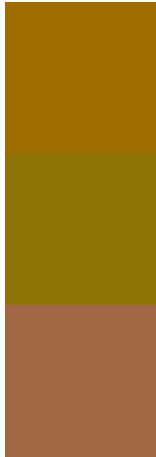
Protanopia

18.2839, 0.4370, 0.4848

Tritanopia

18.0929, 0.3902, 0.3164

Trichromacy



Original Color

18.1054, 0.4849, 0.4532

Protanomaly

18.0254, 0.4548, 0.4733

Tritanomaly

17.8039, 0.4431, 0.3844

Monochromacy



Original Color

18.1054, 0.4849, 0.4532

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1960, 0.3896, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1054, 0.4849, 0.4532 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(157, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 109, 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(157, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.1054, 0.4849, 0.4532 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(157, 109, 0) }
```

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

```
.border{ border-color:rgb(157, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 109,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 18.1054, 0.4849, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 109, 0) }
```

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

```
.background{ background-color: rgb(157,  
109, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor