

Converting Colors

$Y_{xy}(17.7362, 0.5140, 0.4860)$

Have a look what the booklet for
Yxy(17.7362, 0.5140, 0.4860)
contains.

Yxy(17.8932, 0.4866, 0.4519)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8932, 0.4866, 0.4519)

Conversions

Conversions Part 1

Format	Color
Hex	9D6C00
RGB	157, 108, 0
RGB Percent	62%, 42%, 0%
CMY	0.3843, 0.5765, 1.0000
CMYK	0.00, 0.31, 1.00, 0.38
HSL	41°, 100%, 31%
HSV	41°, 100%, 62%
XYZ	19.2672, 17.8932, 2.4351
YIQ	110.3390, 63.8720, -23.2000

Conversions

Conversions Part 2

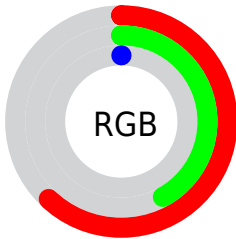
Format	Color
R_{YB}	71, 157, 0
Decimal	10316800
CIE Lab	49.37, 11.97, 56.35
CIE LCh	49, 57.608, 78.012
Yxy	17.8932, 0.4866, 0.4519
Android (android.graphics.Color)	4288506880 (0xFF9D6C00)
YUV	110.3390, -54.3971, 40.9217
Hunter-Lab	42.3004, 7.2784, 26.1971

Details

The Yxy color **17.8932, 0.4866, 0.4519** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.6309, 0.1624, 0.1047**, and the grayscale version is **15.8422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7541, 0.4545, 0.4342**, and **6.0468, 0.5027, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **17.8943, 0.4866, 0.4519**, and if you desaturate by 10%, it is **18.9937, 0.4738, 0.4524**.

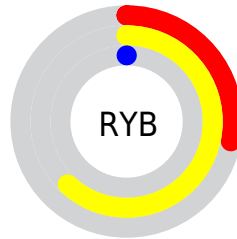
Distribution



Red (62%)

Green (42%)

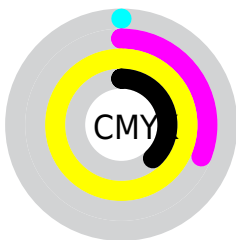
Blue (0%)



Red (28%)

Yellow (62%)

Blue (0%)

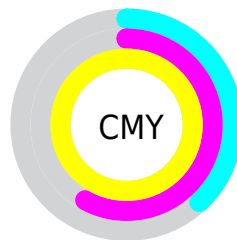


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8932, 0.4866, 0.4519 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 17.8932, 0.4866, 0.4519 by changing the saturation by 10% instead.


 17.8932, 0.4866,
0.4519


 17.8932, 0.4866,
0.4519


240.2684, 0.3949,
0.3939


 10.8733, 0.5061,
0.4598


 39.8553, 0.4545,
0.4344


 5.9817, 0.5318,
0.4682

 55.5662, 0.4417,
0.4264


 2.8340, 0.5439,
0.4561

 74.9431, 0.4309,
0.4193

 1.0457, 0.5648,
0.4352

 98.3701, 0.4215,
0.4130


 0.0000, 1.0000,
0.0000

 126.2317, 0.4135,
0.4073

 0.0000, 0.0000,
0.0000

 158.9124, 0.4064,


0.4024


 196.7965, 0.4003,
0.3979

 17.8932, 0.4866,
0.4519


 17.8932, 0.4866,
0.4519

 17.8943, 0.4866,
0.4519

 18.9937, 0.4738,
0.4524

 20.1801, 0.4588,
0.4492

 21.4669, 0.4413,
0.4413

 22.8601, 0.4221,
0.4295

 24.3650, 0.4021,
0.4148

■ 25.9863, 0.3821,
0.3982

■ 27.7283, 0.3629,
0.3807

■ 29.5951, 0.3447,
0.3629

■ 31.5903, 0.3280,
0.3456

Harmonies

Analogous

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



17.8932, 0.5257, 0.3765



17.8932, 0.4866, 0.4519



17.8932, 0.4050, 0.5184

Triad

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



17.8932, 0.4866, 0.4519



17.8932, 0.1559, 0.3137



17.8932, 0.2858, 0.1967

Complementary

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



17.8932, 0.4866, 0.4519



4.6309, 0.1624, 0.1047

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.



17.8932, 0.1999, 0.1749



17.8932, 0.4866, 0.4519



17.8932, 0.1367, 0.2236

Square

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



17.8932, 0.4866, 0.4519



17.8932, 0.2149, 0.4417



17.8932, 0.1515, 0.1815



17.8932, 0.3990, 0.2429

Rectangle

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



17.8932, 0.4866, 0.4519



17.8932, 0.3400, 0.5357



17.8932, 0.1515, 0.1815



17.8932, 0.2530, 0.1865

Sweetspot

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



17.8943, 0.4866, 0.4519



49.4707, 0.3640, 0.3817



7.3962, 0.5672, 0.2898



10.6135, 0.3714, 0.3886



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.



17.8943, 0.4866, 0.4519



31.6913, 0.4881, 0.4506



28.7210, 0.3877, 0.5304



7.3708, 0.3268, 0.3443



14.6010, 0.4859, 0.4524



0.3327, 0.4540, 0.4777

Inverse Universe

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



4.6309, 0.1624, 0.1047



7.9889, 0.1615, 0.1015



2.6925, 0.1593, 0.0651



6.7562, 0.2988, 0.3132



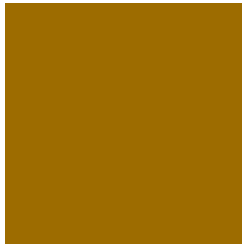
3.8209, 0.1628, 0.1061



0.1390, 0.1840, 0.1825

Previews

White Background



This preview shows how the Yxy color 17.8932, 0.4866, 0.4519 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 17.8932, 0.4866, 0.4519 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 17.8932, 0.4866, 0.4519

Background



This preview shows how black text looks on a background with the Yxy color 17.8932, 0.4866, 0.4519.



This preview shows how white text looks on a background with the Yxy color 17.8932, 0.4866, 0.4519.

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

17.8932, 0.4866, 0.4519

Protanopia

17.9653, 0.4372, 0.4846

Deuteranopia

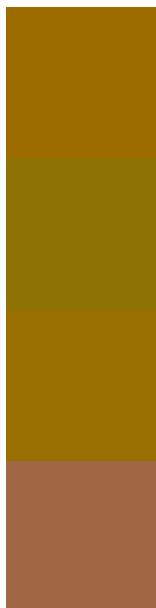
17.9779, 0.4703, 0.4648



Tritanopia

17.8784, 0.3922, 0.3164

Trichromacy



Original Color

17.8932, 0.4866, 0.4519

Protanomaly

17.7986, 0.4563, 0.4720

Deuteranomaly

18.0443, 0.4756, 0.4606

Tritanomaly

17.6037, 0.4442, 0.3829

Monochromacy



Original Color

17.8932, 0.4866, 0.4519

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8915, 0.3903, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8932, 0.4866, 0.4519 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, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 108, 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, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.8932, 0.4866, 0.4519 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, 108, 0) }
```

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

```
.border{ border-color:rgb(157, 108, 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, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 108,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8932, 0.4866, 0.4519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 108, 0) }
```

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

```
.background{ background-color: rgb(157,  
108, 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