

# Converting Colors

$Y_{xy}(17.7770, 0.4778, 0.4588)$

Have a look what the booklet for  
Yxy(17.7770, 0.4778, 0.4588)  
contains.

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**Color**

**Yxy(17.8273, 0.4772, 0.4593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	986E00
RGB	152, 110, 0
RGB Percent	60%, 43%, 0%
CMY	0.4040, 0.5686, 1.0000
CMYK	0.00, 0.28, 1.00, 0.40
HSL	43°, 100%, 30%
HSV	43°, 100%, 60%
XYZ	18.5221, 17.8273, 2.4647
YIQ	110.0180, 60.3420, -25.3060

# Conversions

## Conversions Part 2

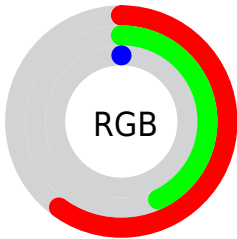
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	58, 152, 0
Decimal	9989632
CIE Lab	49.29, 8.48, 55.99
CIE LCh	49, 56.624, 81.391
Yxy	17.8273, 0.4772, 0.4593
Android (android.graphics.Color)	4288179712 (0xFF986E00)
YUV	110.0180, -54.2389, 36.8182
Hunter-Lab	42.2224, 4.4150, 26.0947

# Details

The Yxy color **17.8273, 0.4772, 0.4593** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.9201, 0.1602, 0.0967**, and the grayscale version is **15.7446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6975, 0.4479, 0.4390**, and **6.0418, 0.4904, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **17.8280, 0.4772, 0.4593**, and if you desaturate by 10%, it is **18.7906, 0.4658, 0.4589**.

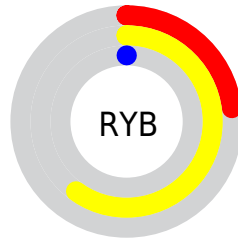
# Distribution



Red (60%)

Green (43%)

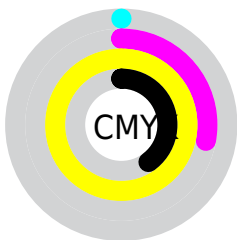
Blue (0%)



Red (23%)

Yellow (60%)

Blue (0%)

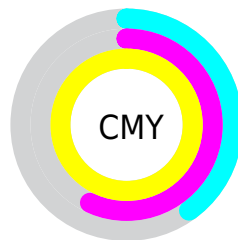


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (57%)


Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8273, 0.4772, 0.4593 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 17.8273, 0.4772, 0.4593 by changing the saturation by 10% instead.





 17.8273, 0.4772,  
0.4593


 17.8273, 0.4772,  
0.4593


 239.8958, 0.3908,  
0.3959


 10.8261, 0.4952,  
0.4692


 39.7428, 0.4471,  
0.4393


 5.9500, 0.5192,  
0.4808

 55.4259, 0.4351,  
0.4306


 2.8147, 0.5279,  
0.4721

 74.7717, 0.4249,  
0.4229

 1.0358, 0.5434,  
0.4566

 98.1647, 0.4160,  
0.4161


 0.0000, 1.0000,  
0.0000

 125.9892, 0.4084,  
0.4101

 0.0000, 0.0000,  
0.0000


 158.6296, 0.4018,


0.4048


 196.4704, 0.3959,  
0.4001


 17.8273, 0.4772,  
0.4593


 17.8273, 0.4772,  
0.4593


 17.8280, 0.4772,  
0.4593

 18.7906, 0.4658,  
0.4589

 19.8221, 0.4523,  
0.4549

 20.9353, 0.4363,  
0.4463

 22.1353, 0.4184,  
0.4339

 23.4269, 0.3996,  
0.4186

■ 24.8141, 0.3806,  
0.4013

■ 26.3006, 0.3620,  
0.3830

■ 27.8900, 0.3443,  
0.3645

■ 29.5854, 0.3279,  
0.3464

# Harmonies

## Analogous

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



17.8273, 0.5215, 0.3848



17.8273, 0.4772, 0.4593



17.8273, 0.3939, 0.5209

# Triad

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



17.8273, 0.4772, 0.4593



17.8273, 0.1539, 0.3017



17.8273, 0.2980, 0.2023

# Complementary

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



17.8273, 0.4772, 0.4593



3.9201, 0.1602, 0.0967

# 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.



17.8273, 0.2091, 0.1778



17.8273, 0.4772, 0.4593



17.8273, 0.1388, 0.2184

# Square

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



17.8273, 0.4772, 0.4593



17.8273, 0.2079, 0.4256



17.8273, 0.1570, 0.1811



17.8273, 0.4104, 0.2505



# Rectangle

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



17.8273, 0.4772, 0.4593



17.8273, 0.3291, 0.5313



17.8273, 0.1570, 0.1811



17.8273, 0.2645, 0.1913

# Sweetspot

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



17.8282, 0.4772, 0.4593



46.2782, 0.3631, 0.3841



6.8484, 0.5783, 0.2960



10.2832, 0.3702, 0.3912



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



17.8282, 0.4772, 0.4593



31.1677, 0.4785, 0.4582



26.3754, 0.3820, 0.5349



6.9343, 0.3266, 0.3450



15.0062, 0.4767, 0.4597



0.2840, 0.4468, 0.4834



# Inverse Universe

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



3.9201, 0.1602, 0.0967



6.6603, 0.1594, 0.0937



2.5886, 0.1624, 0.0668



6.2902, 0.2988, 0.3124



3.3341, 0.1605, 0.0979

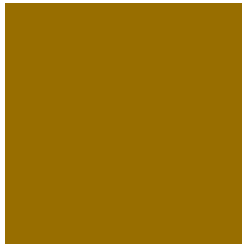


0.1048, 0.1818, 0.1745



# Previews

## White Background



This preview shows how the Yxy color 17.8273, 0.4772, 0.4593 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

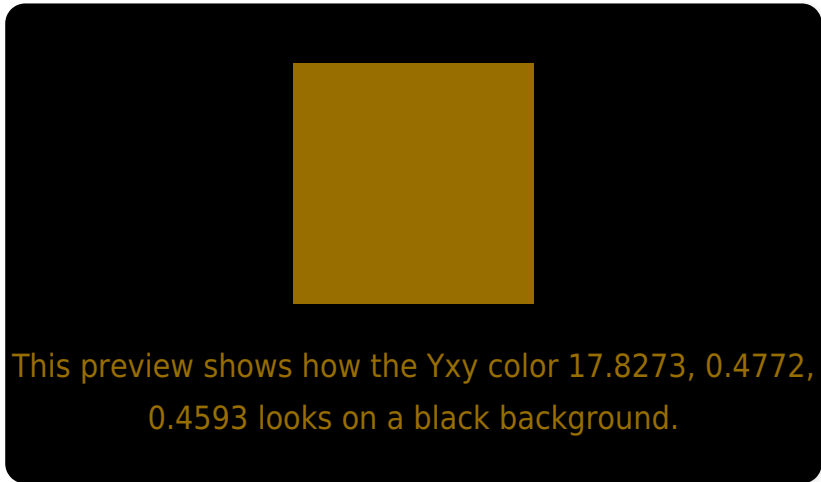
Any Text WCAG AA ✓ Pass

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 17.8273, 0.4772, 0.4593**

## **Background**



This preview shows how black text looks on a background with the Yxy color 17.8273, 0.4772, 0.4593.



This preview shows how white text looks on a background with the Yxy color 17.8273, 0.4772, 0.4593.

# 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

17.8273, 0.4772, 0.4593

### Protanopia

17.9631, 0.4374, 0.4850

### Deuteranopia

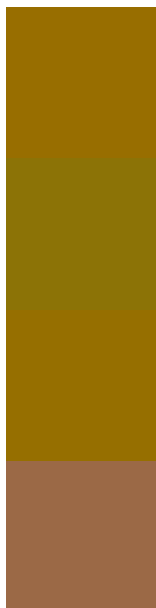
17.7584, 0.4719, 0.4635



## Tritanopia

17.7966, 0.3812, 0.3160

# Trichromacy



## Original Color

17.8273, 0.4772, 0.4593

## Protanomaly

17.8501, 0.4521, 0.4753

## Deuteranomaly

17.8529, 0.4731, 0.4625

## Tritanomaly

17.5139, 0.4341, 0.3864

# Monochromacy



## Original Color

17.8273, 0.4772, 0.4593

## Achromatopsia

15.5926, 0.3127, 0.3290

## Achromatomaly

15.9540, 0.3865, 0.4073

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.8273, 0.4772, 0.4593 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(152, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 110, 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(152, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 110, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 17.8273, 0.4772, 0.4593 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(152, 110, 0) }
```

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

```
.border{ border-color:rgb(152, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 110,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.8273, 0.4772, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 110, 0) }
```

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

```
.background{ background-color: rgb(152,  
110, 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](#).

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