

Converting Colors

$Y_{xy}(17.8889, 0.4690, 0.4658)$

Have a look what the booklet for
Yxy(17.8889, 0.4690, 0.4658)
contains.

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Color

Yxy(17.8842, 0.4690, 0.4658)

Conversions

Conversions Part 1

Format	Color
Hex	947000
RGB	148, 112, 0
RGB Percent	58%, 44%, 0%
CMY	0.4196, 0.5608, 0.9999
CMYK	0.00, 0.24, 1.00, 0.42
HSL	45°, 100%, 29%
HSV	45°, 100%, 58%
XYZ	18.0071, 17.8842, 2.5033
YIQ	109.9960, 57.4080, -27.2000

Conversions

Conversions Part 2

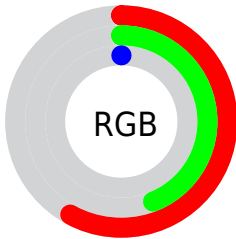
Format	Color
R_{YB}	48, 148, 0
Decimal	9728000
CIE Lab	49.36, 5.47, 55.81
CIE LCh	49, 56.079, 84.407
Yxy	17.8842, 0.4690, 0.4658
Android (android.graphics.Color)	4287918080 (0xFF947000)
YUV	109.9960, -54.2280, 33.3295
Hunter-Lab	42.2897, 1.9987, 26.0931

Details

The Yxy color **17.8842, 0.4690, 0.4658** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.4011, 0.1584, 0.0901**, and the grayscale version is **15.7392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6751, 0.4412, 0.4438**, and **6.0559, 0.4777, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **17.8839, 0.4690, 0.4658**, and if you desaturate by 10%, it is **18.7295, 0.4589, 0.4646**.

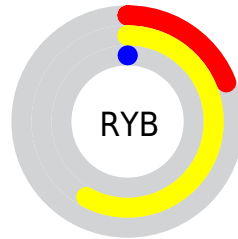
Distribution



Red (58%)

Green (44%)

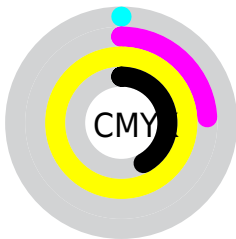
Blue (0%)



Red (19%)

Yellow (58%)

Blue (0%)

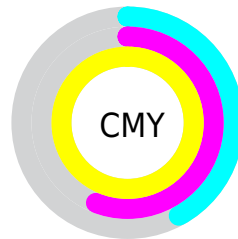


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8842, 0.4690, 0.4658 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 17.8842, 0.4690, 0.4658 by changing the saturation by 10% instead.


 17.8842, 0.4690,
0.4658


 17.8842, 0.4690,
0.4658


240.2175, 0.3874,
0.3978


 10.8669, 0.4856,
0.4774


 39.8399, 0.4408,
0.4437


 5.9774, 0.5080,
0.4920

 55.5471, 0.4295,
0.4343


 2.8313, 0.5137,
0.4863

 74.9197, 0.4197,
0.4260

 1.0443, 0.5239,
0.4761

 98.3421, 0.4114,
0.4188


 0.0000, 1.0000,
0.0000


 126.1986, 0.4041,
0.4125

 0.0000, 0.0000,
0.0000


 158.8738, 0.3978,


0.4070

 196.7520, 0.3923,
0.4021


 17.8842, 0.4690,
0.4658


 17.8842, 0.4690,
0.4658


 17.8839, 0.4690,
0.4658

 18.7295, 0.4589,
0.4646

 19.6300, 0.4467,
0.4599

 20.5983, 0.4319,
0.4508

 21.6393, 0.4152,
0.4378

 22.7571, 0.3974,
0.4219

■ 23.9553, 0.3792,
0.4041

■ 25.2373, 0.3612,
0.3852

■ 26.6062, 0.3439,
0.3660

■ 28.0650, 0.3277,
0.3471

Harmonies

Analogous

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



17.8842, 0.5178, 0.3921



17.8842, 0.4690, 0.4658



17.8842, 0.3841, 0.5228

Triad

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



17.8842, 0.4690, 0.4658



17.8842, 0.1521, 0.2916



17.8842, 0.3089, 0.2072

Complementary

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



17.8842, 0.4690, 0.4658



3.4011, 0.1584, 0.0901

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.



17.8842, 0.2172, 0.1803



17.8842, 0.4690, 0.4658



17.8842, 0.1405, 0.2139

Square

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



17.8842, 0.4690, 0.4658



17.8842, 0.2018, 0.4119



17.8842, 0.1619, 0.1806



17.8842, 0.4203, 0.2571

Rectangle

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



17.8842, 0.4690, 0.4658



17.8842, 0.3194, 0.5270



17.8842, 0.1619, 0.1806



17.8842, 0.2747, 0.1954

Sweetspot

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



17.8851, 0.4690, 0.4658



44.3868, 0.3623, 0.3863



6.4300, 0.5888, 0.3018



9.9315, 0.3691, 0.3936



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



17.8851, 0.4690, 0.4658



31.2764, 0.4702, 0.4649



24.5598, 0.3765, 0.5393



6.5081, 0.3265, 0.3457



15.3194, 0.4686, 0.4661



0.2334, 0.4417, 0.4875

Inverse Universe

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



3.4011, 0.1584, 0.0901



5.7677, 0.1576, 0.0871



2.5322, 0.1659, 0.0688



5.8485, 0.2989, 0.3118



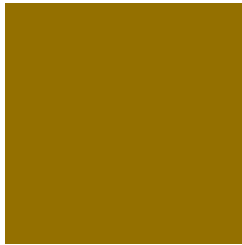
2.9418, 0.1587, 0.0911



0.0762, 0.1791, 0.1649

Previews

White Background



This preview shows how the Yxy color 17.8842, 0.4690, 0.4658 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 17.8842, 0.4690, 0.4658 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 17.8842, 0.4690, 0.4658

Background



This preview shows how black text looks on a background with the Yxy color 17.8842, 0.4690, 0.4658.



This preview shows how white text looks on a background with the Yxy color 17.8842, 0.4690, 0.4658.

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

17.8842, 0.4690, 0.4658

Protanopia

17.9609, 0.4377, 0.4854

Deuteranopia

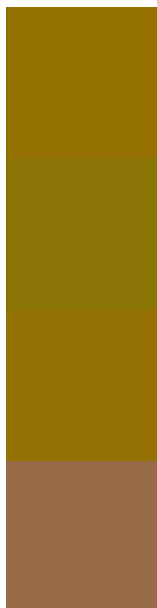
17.9867, 0.4691, 0.4633



Tritanopia

17.8428, 0.3718, 0.3157

Trichromacy



Original Color

17.8842, 0.4690, 0.4658

Protanomaly

17.9050, 0.4483, 0.4791

Deuteranomaly

17.9845, 0.4694, 0.4637

Tritanomaly

17.5496, 0.4253, 0.3896

Monochromacy



Original Color

17.8842, 0.4690, 0.4658

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.0962, 0.3842, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8842, 0.4690, 0.4658 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(148, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 112, 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(148, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.8842, 0.4690, 0.4658 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(148, 112, 0) }
```

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

```
.border{ border-color:rgb(148, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8842, 0.4690, 0.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 112, 0) }
```

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

```
.background{ background-color: rgb(148,  
112, 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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