

Converting Colors

$Y_{xy}(17.7819, 0.4650, 0.4718)$

Have a look what the booklet for
Yxy(17.7819, 0.4650, 0.4718)
contains.

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Color

Yxy(17.8300, 0.4636, 0.4701)

Conversions

Conversions Part 1

Format	Color
Hex	917100
RGB	145, 113, 0
RGB Percent	57%, 44%, 0%
CMY	0.4313, 0.5569, 1.0000
CMYK	0.00, 0.22, 1.00, 0.43
HSL	47°, 100%, 28%
HSV	47°, 100%, 57%
XYZ	17.5835, 17.8300, 2.5146
YIQ	109.6860, 55.3450, -28.3590

Conversions

Conversions Part 2

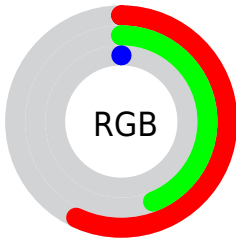
Format	Color
RYB	41, 145, 0
Decimal	9531648
CIELab	49.29, 3.48, 55.61
CIElCh	49, 55.721, 86.419
Yxy	17.8300, 0.4636, 0.4701
Android (android.graphics.Color)	4287721728 (0xFF917100)
YUV	109.6860, -54.0752, 30.9704
Hunter-Lab	42.2256, 0.4357, 26.0271

Details

The Yxy color **17.8300, 0.4636, 0.4701** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.0782, 0.1572, 0.0860**, and the grayscale version is **15.6449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6176, 0.4368, 0.4457**, and **6.0701, 0.4713, 0.4640** is the 20% darker color. If you saturate the color by 10%, you get **17.8308, 0.4636, 0.4701**, and if you desaturate by 10%, it is **18.5909, 0.4542, 0.4684**.

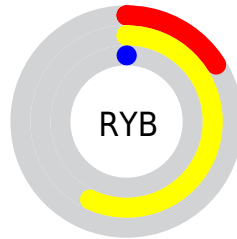
Distribution



Red (57%)

Green (44%)

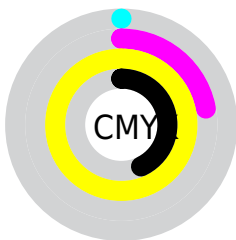
Blue (0%)



Red (16%)

Yellow (57%)

Blue (0%)

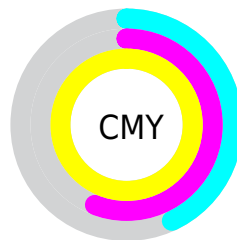


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8300, 0.4636, 0.4701 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 17.8300, 0.4636, 0.4701 by changing the saturation by 10% instead.


 17.8300, 0.4636,
0.4701


 17.8300, 0.4636,
0.4701


 239.9111, 0.3851,
0.3989

 10.8280, 0.4793,
0.4829


 39.7474, 0.4366,
0.4465


 5.9513, 0.5006,
0.4994

 55.4317, 0.4257,
0.4367


 2.8155, 0.5043,
0.4957

 74.7788, 0.4163,
0.4281

 1.0362, 0.5109,
0.4891

 98.1731, 0.4083,
0.4206


 0.0000, 1.0000,
0.0000


 125.9991, 0.4013,
0.4141

 0.0000, 0.0000,
0.0000


 158.6412, 0.3952,


0.4084


 196.4837, 0.3898,
0.4034


 17.8300, 0.4636,
0.4701


 17.8300, 0.4636,
0.4701


 17.8308, 0.4636,
0.4701

 18.5909, 0.4542,
0.4684

 19.3989, 0.4429,
0.4633

 20.2664, 0.4290,
0.4538

 21.1978, 0.4131,
0.4405

 22.1969, 0.3959,
0.4242

■ 23.2673, 0.3783,
0.4060

■ 24.4119, 0.3607,
0.3866

■ 25.6336, 0.3437,
0.3670

■ 26.9352, 0.3276,
0.3476

Harmonies

Analogous

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



17.8300, 0.5153, 0.3970



17.8300, 0.4636, 0.4701



17.8300, 0.3776, 0.5239

Triad

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



17.8300, 0.4636, 0.4701



17.8300, 0.1509, 0.2851



17.8300, 0.3161, 0.2104

Complementary

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



17.8300, 0.4636, 0.4701



3.0782, 0.1572, 0.0860

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.



17.8300, 0.2227, 0.1819



17.8300, 0.4636, 0.4701



17.8300, 0.1416, 0.2110

Square

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



17.8300, 0.4636, 0.4701



17.8300, 0.1978, 0.4029



17.8300, 0.1651, 0.1803



17.8300, 0.4268, 0.2614

Rectangle

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



17.8300, 0.4636, 0.4701



17.8300, 0.3130, 0.5239



17.8300, 0.1651, 0.1803



17.8300, 0.2815, 0.1981

Sweetspot

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



17.8309, 0.4636, 0.4701



43.5795, 0.3618, 0.3879



6.1352, 0.5937, 0.3044



9.5210, 0.3683, 0.3952



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



17.8309, 0.4636, 0.4701



31.6622, 0.4647, 0.4693



23.3388, 0.3738, 0.5414



6.0862, 0.3264, 0.3460



15.3311, 0.4633, 0.4704



0.1788, 0.4393, 0.4894

Inverse Universe

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



3.0782, 0.1572, 0.0860



5.2926, 0.1564, 0.0830



2.4696, 0.1679, 0.0698



5.4361, 0.2990, 0.3114



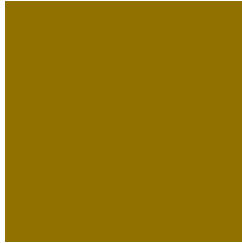
2.6736, 0.1575, 0.0869



0.0534, 0.1769, 0.1569

Previews

White Background



This preview shows how the Yxy color 17.8300, 0.4636, 0.4701 looks on a white background.

Color Contrast Check

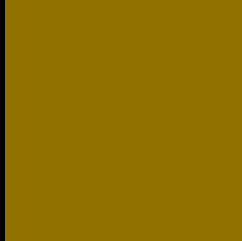
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8300, 0.4636, 0.4701 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 17.8300, 0.4636, 0.4701

Background



This preview shows how black text looks on a background with the Yxy color 17.8300, 0.4636, 0.4701.



This preview shows how white text looks on a background with the Yxy color 17.8300, 0.4636, 0.4701.

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

17.8300, 0.4636, 0.4701

Protanopia

17.9588, 0.4380, 0.4859

Deuteranopia

17.7760, 0.4694, 0.4605



Tritanopia

17.8747, 0.3671, 0.3155

Trichromacy



Original Color

17.8300, 0.4636, 0.4701

Protanomaly

17.8179, 0.4472, 0.4805

Deuteranomaly

17.8952, 0.4675, 0.4639

Tritanomaly

17.5826, 0.4203, 0.3904

Monochromacy



Original Color

17.8300, 0.4636, 0.4701

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.0220, 0.3828, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8300, 0.4636, 0.4701 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(145, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 113, 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(145, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.8300, 0.4636, 0.4701 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(145, 113, 0) }
```

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

```
.border{ border-color:rgb(145, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(145, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8300, 0.4636, 0.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 113, 0) }
```

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

```
.background{ background-color: rgb(145,  
113, 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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