

Converting Colors

$Y_{xy}(17.8022, 0.4399, 0.4281)$

Have a look what the booklet for
Yxy(17.8022, 0.4399, 0.4281)
contains.

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Color

Yxy(17.8022, 0.4399, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	936F32
RGB	147, 111, 50
RGB Percent	58%, 44%, 20%
CMY	0.4235, 0.5647, 0.8039
CMYK	0.00, 0.24, 0.66, 0.42
HSL	38°, 49%, 39%
HSV	38°, 66%, 58%
XYZ	18.2929, 17.8022, 5.4891
YIQ	114.8100, 41.0370, -11.3390

Conversions

Conversions Part 2

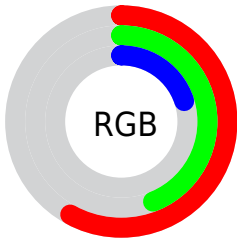
Format	Color
R_{YB}	107, 147, 50
Decimal	9662258
CIE _{Lab}	49.26, 7.41, 38.63
CIE _{LCh}	49, 39.330, 79.143
Yxy	17.8022, 0.4399, 0.4281
Android (android.graphics.Color)	4287852338 (0xFF936F32)
YUV	114.8100, -31.9513, 28.2306
Hunter-Lab	42.1927, 3.5527, 21.8214

Details

The Yxy color **17.8022, 0.4399, 0.4281** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.4394, 0.2054, 0.1956**, and the grayscale version is **17.1735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5789, 0.4132, 0.4081**, and **5.9939, 0.4822, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **16.5415, 0.4607, 0.4367**, and if you desaturate by 10%, it is **19.1781, 0.4182, 0.4161**.

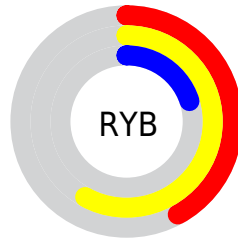
Distribution



Red (58%)

Green (44%)

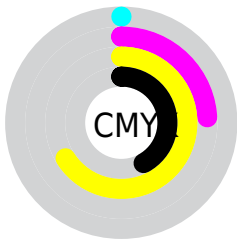
Blue (20%)



Red (42%)

Yellow (58%)

Blue (20%)

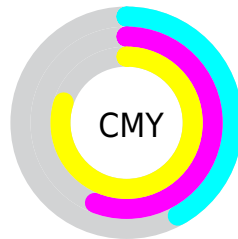


Cyan (0%)

Magenta (24%)

Yellow (66%)

Black (42%)



Cyan (42%)


Magenta (56%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8022, 0.4399, 0.4281 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 17.8022, 0.4399, 0.4281 by changing the saturation by 10% instead.


 17.8022, 0.4399,
0.4281


 17.8022, 0.4399,
0.4281


239.7538, 0.3687,
0.3753

 10.8081, 0.4588,
0.4404


 39.7000, 0.4127,
0.4089


 5.9379, 0.4827,
0.4541

 55.3724, 0.4028,
0.4016

 2.8074, 0.5230,
0.4770

 74.7065, 0.3946,
0.3954

 1.0320, 0.5366,
0.4634

 98.0864, 0.3877,
0.3902

 0.0000, 1.0000,
0.0000

 125.8967, 0.3819,
0.3857

 0.0000, 0.0000,
0.0000

 158.5218, 0.3768,

0.3817

196.3460, 0.3725,
0.3783

■ 17.8022, 0.4399,
0.4281

■ 17.8022, 0.4399,
0.4281

■ 16.5415, 0.4607,
0.4367

■ 19.1781, 0.4182,
0.4161

■ 15.3881, 0.4794,
0.4410

■ 20.6714, 0.3965,
0.4016

■ 14.3355, 0.4954,
0.4405

■ 22.2873, 0.3756,
0.3859

■ 13.9356, 0.5018,
0.4398

■ 24.0298, 0.3561,
0.3697

■ 25.9029, 0.3380,
0.3535

■ 27.9100, 0.3217,
0.3380

■ 30.0545, 0.3070,
0.3232

■ 32.3399, 0.2939,
0.3094

■ 34.7690, 0.2823,
0.2965

Harmonies

Analogous

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



17.8022, 0.4630, 0.3746



17.8022, 0.4399, 0.4281



17.8022, 0.3835, 0.4645

Triad

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



17.8022, 0.4399, 0.4281



17.8022, 0.1986, 0.3196



17.8022, 0.2985, 0.2323

Complementary

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



17.8022, 0.4399, 0.4281



9.4394, 0.2054, 0.1956

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.



17.8022, 0.2338, 0.2150



17.8022, 0.4399, 0.4281



17.8022, 0.1821, 0.2555

Square

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



17.8022, 0.4399, 0.4281



17.8022, 0.2443, 0.4004



17.8022, 0.1942, 0.2214



17.8022, 0.3762, 0.2691

Rectangle

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



17.8022, 0.4399, 0.4281



17.8022, 0.3363, 0.4669



17.8022, 0.1942, 0.2214



17.8022, 0.2746, 0.2242

Sweetspot

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



17.8031, 0.4399, 0.4281



44.8750, 0.3458, 0.3606



9.1752, 0.4368, 0.2689



10.0494, 0.3504, 0.3648



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.



17.8031, 0.4399, 0.4281



28.6420, 0.4697, 0.4393



26.3059, 0.3881, 0.4836



6.3865, 0.3268, 0.3429



12.1296, 0.5012, 0.4403



0.2051, 0.4572, 0.4752

Inverse Universe

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



9.4394, 0.2054, 0.1956



12.6348, 0.1855, 0.1614



5.3897, 0.1991, 0.1285



5.9645, 0.2989, 0.3147



4.2027, 0.1673, 0.1222



0.1045, 0.1903, 0.2052

Previews

White Background



This preview shows how the Yxy color 17.8022, 0.4399, 0.4281 looks on a white background.

Color Contrast Check

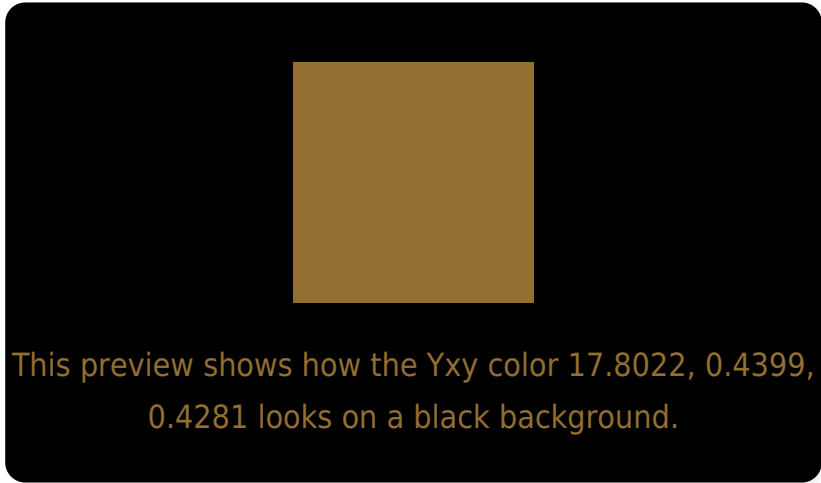
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8022, 0.4399, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 17.8022, 0.4399, 0.4281.



This preview shows how white text looks on a background with the Yxy color 17.8022, 0.4399, 0.4281.

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

17.8022, 0.4399, 0.4281

Protanopia

17.9506, 0.4065, 0.4475

Deuteranopia

17.9296, 0.4373, 0.4303



Tritanopia

17.7459, 0.3704, 0.3156

Trichromacy



Original Color

17.8022, 0.4399, 0.4281

Protanomaly

17.7347, 0.4191, 0.4403

Deuteranomaly

17.9296, 0.4373, 0.4303

Tritanomaly

17.7207, 0.3992, 0.3602

Monochromacy



Original Color

17.8022, 0.4399, 0.4281

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.3020, 0.3596, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8022, 0.4399, 0.4281 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(147, 111, 50)` looks like.

```
.text, #text, p{  
    color:rgb(147, 111, 50)  
}
```

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(147, 111, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 111, 50) }
```

Border

The CSS property to change the border of an element to Yxy 17.8022, 0.4399, 0.4281 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(147, 111, 50) }
```

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

```
.border{ border-color:rgb(147, 111, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 111, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 111, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 111, 50);  
box-shadow:4px 4px 4px 4px rgb(147, 111,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8022, 0.4399, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 111, 50) }
```

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

```
.background{ background-color: rgb(147,  
111, 50) }
```

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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