

Converting Colors

$Y_{xy}(17.6095, 0.4626, 0.4709)$

Have a look what the booklet for
Yxy(17.6095, 0.4626, 0.4709)
contains.

Yxy(17.7395, 0.4623, 0.4711)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7395, 0.4623, 0.4711)

Conversions

Conversions Part 1

Format	Color
Hex	907100
RGB	144, 113, 0
RGB Percent	56%, 44%, 0%
CMY	0.4353, 0.5569, 0.9998
CMYK	0.00, 0.22, 1.00, 0.44
HSL	47°, 100%, 28%
HSV	47°, 100%, 56%
XYZ	17.4081, 17.7395, 2.5079
YIQ	109.3870, 54.7490, -28.5710

Conversions

Conversions Part 2

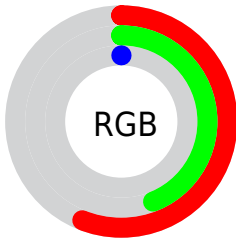
Format	Color
R_{YB}	40, 144, 0
Decimal	9466112
CIE Lab	49.18, 3.01, 55.47
CIE LCh	49, 55.554, 86.897
Yxy	17.7395, 0.4623, 0.4711
Android (android.graphics.Color)	4287656192 (0xFF907100)
YUV	109.3870, -53.9278, 30.3556
Hunter-Lab	42.1183, 0.0698, 25.9525

Details

The Yxy color **17.7395, 0.4623, 0.4711** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.9974, 0.1570, 0.0852**, and the grayscale version is **15.5559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4664, 0.4364, 0.4470**, and **6.0203, 0.4693, 0.4656** is the 20% darker color. If you saturate the color by 10%, you get **17.7378, 0.4623, 0.4711**, and if you desaturate by 10%, it is **18.4773, 0.4531, 0.4692**.

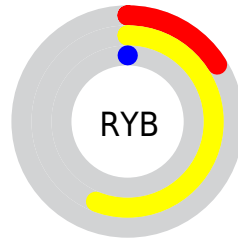
Distribution



Red (56%)

Green (44%)

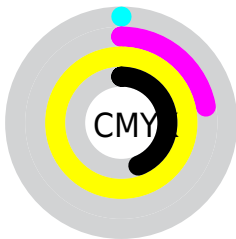
Blue (0%)



Red (16%)

Yellow (56%)

Blue (0%)

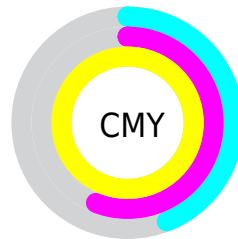


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7395, 0.4623, 0.4711 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 17.7395, 0.4623, 0.4711 by changing the saturation by 10% instead.


 17.7395, 0.4623,
0.4711


 17.7395, 0.4623,
0.4711


 239.3986, 0.3845,
0.3991


 10.7631, 0.4779,
0.4842


 39.5929, 0.4355,
0.4472


 5.9078, 0.4988,
0.5012

 55.2388, 0.4247,
0.4372


 2.7891, 0.5020,
0.4980

 74.5433, 0.4155,
0.4285

 1.0226, 0.5078,
0.4922


 97.8907, 0.4075,
0.4210

 0.0000, 0.0000,
0.0000

 125.6656, 0.4005,
0.4144

 158.2523, 0.3945,

0.4087

 196.0352, 0.3892,
0.4036


 17.7395, 0.4623,
0.4711


 17.7395, 0.4623,
0.4711

 17.7378, 0.4623,
0.4711

 18.4773, 0.4531,
0.4692

 19.2603, 0.4419,
0.4640

 20.1007, 0.4282,
0.4544

 21.0028, 0.4125,
0.4410

 21.9704, 0.3955,
0.4247

■ 23.0068, 0.3780,
0.4063

■ 24.1151, 0.3605,
0.3869

■ 25.2981, 0.3436,
0.3671

■ 26.5583, 0.3276,
0.3477

Harmonies

Analogous

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



17.7395, 0.5147, 0.3981



17.7395, 0.4623, 0.4711



17.7395, 0.3761, 0.5242

Triad

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



17.7395, 0.4623, 0.4711



17.7395, 0.1506, 0.2836



17.7395, 0.3179, 0.2112

Complementary

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



17.7395, 0.4623, 0.4711



2.9974, 0.1570, 0.0852

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.



17.7395, 0.2240, 0.1823



17.7395, 0.4623, 0.4711



17.7395, 0.1419, 0.2104

Square

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



17.7395, 0.4623, 0.4711



17.7395, 0.1969, 0.4008



17.7395, 0.1659, 0.1802



17.7395, 0.4283, 0.2624

Rectangle

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



17.7395, 0.4623, 0.4711



17.7395, 0.3115, 0.5231



17.7395, 0.1659, 0.1802



17.7395, 0.2831, 0.1988

Sweetspot

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



17.7404, 0.4623, 0.4711



42.3965, 0.3616, 0.3882



6.0314, 0.5984, 0.3070



9.5504, 0.3682, 0.3956



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.



17.7404, 0.4623, 0.4711



31.0317, 0.4633, 0.4703



22.8460, 0.3710, 0.5436



6.0910, 0.3263, 0.3462



15.4792, 0.4620, 0.4713



0.1797, 0.4387, 0.4899

Inverse Universe

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



2.9974, 0.1570, 0.0852



5.0758, 0.1562, 0.0822



2.4831, 0.1699, 0.0710



5.4317, 0.2990, 0.3112



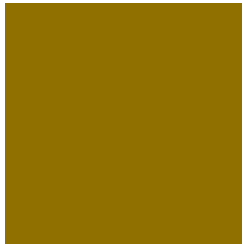
2.6377, 0.1572, 0.0859



0.0525, 0.1764, 0.1550

Previews

White Background



This preview shows how the Yxy color 17.7395, 0.4623, 0.4711 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 17.7395, 0.4623, 0.4711 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 17.7395, 0.4623, 0.4711

Background



This preview shows how black text looks on a background with the Yxy color 17.7395, 0.4623, 0.4711.



This preview shows how white text looks on a background with the Yxy color 17.7395, 0.4623, 0.4711.

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

17.7395, 0.4623, 0.4711

Protanopia

17.8777, 0.4367, 0.4869

Deuteranopia

17.6823, 0.4682, 0.4614



Tritanopia

17.7794, 0.3657, 0.3155

Trichromacy



Original Color

17.7395, 0.4623, 0.4711

Protanomaly

17.7338, 0.4459, 0.4815

Deuteranomaly

17.8023, 0.4662, 0.4649

Tritanomaly

17.4889, 0.4189, 0.3908

Monochromacy



Original Color

17.7395, 0.4623, 0.4711

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.7191, 0.3833, 0.4106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7395, 0.4623, 0.4711 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(144, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.7395, 0.4623, 0.4711 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(144, 113, 0) }
```

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

```
.border{ border-color:rgb(144, 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(144, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7395, 0.4623, 0.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 113, 0) }
```

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

```
.background{ background-color: rgb(144,  
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](#).

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