

Converting Colors

$Y_{xy}(12.4411, 0.5656, 0.3891)$

Have a look what the booklet for
Yxy(12.4411, 0.5656, 0.3891)
contains.

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Color

Yxy(12.4717, 0.5647, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	A74500
RGB	167, 69, 0
RGB Percent	65%, 27%, 0%
CMY	0.3450, 0.7295, 0.9999
CMYK	0.00, 0.59, 1.00, 0.35
HSL	25°, 100%, 33%
HSV	25°, 100%, 65%
XYZ	18.0676, 12.4717, 1.4558
YIQ	90.4360, 80.5570, -0.6830

Conversions

Conversions Part 2

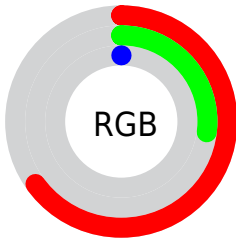
Format	Color
RYB	167, 118, 0
Decimal	10962176
CIELab	41.96, 37.68, 52.46
CIELCh	42, 64.586, 54.310
Yxy	12.4717, 0.5647, 0.3898
Android (android.graphics.Color)	4289152256 (0xFFA74500)
YUV	90.4360, -44.5849, 67.1466
Hunter-Lab	35.3153, 29.5206, 22.2766

Details

The Yxy color **12.4717, 0.5647, 0.3898** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.5376, 0.1858, 0.1889**, and the grayscale version is **10.4168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3765, 0.5120, 0.3913**, and **3.5267, 0.6177, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **12.4702, 0.5647, 0.3898**, and if you desaturate by 10%, it is **13.8193, 0.5403, 0.3967**.

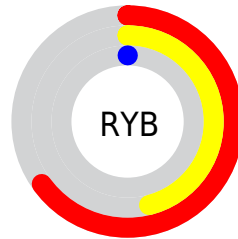
Distribution



Red (65%)

Green (27%)

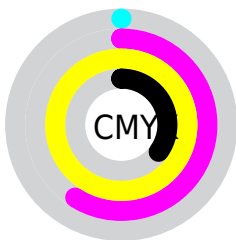
Blue (0%)



Red (65%)

Yellow (46%)

Blue (0%)

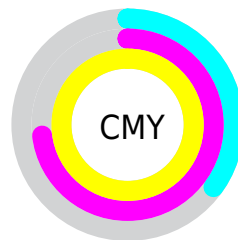


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4717, 0.5647, 0.3898 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 12.4717, 0.5647, 0.3898 by changing the saturation by 10% instead.


 12.4717, 0.5647,
0.3898


 12.4717, 0.5647,
0.3898


 207.5035, 0.4221,
0.3738


 7.0658, 0.6049,
0.3851


 30.3513, 0.5119,
0.3915


 3.5033, 0.6390,
0.3610

 43.5939, 0.4919,
0.3895

 1.3998, 0.6825,
0.3175

 60.2174, 0.4752,
0.3868

 0.2166, 0.8425,
0.1575

 80.6063, 0.4611,
0.3840

 0.0000, 1.0000,
0.0000

 105.1449, 0.4491,
0.3813

 0.0000, 0.0000,
0.0000


 134.2178, 0.4388,


0.3786


 168.2092, 0.4299,
0.3762


 12.4717, 0.5647,
0.3898


 12.4717, 0.5647,
0.3898


 12.4702, 0.5647,
0.3898

 13.8193, 0.5403,
0.3967

 15.4078, 0.5123,
0.3995

 17.2599, 0.4816,
0.3973

 19.3898, 0.4505,
0.3911

 21.8102, 0.4207,
0.3823

■ 24.5330, 0.3933,
0.3719

■ 27.5692, 0.3689,
0.3609

■ 30.9293, 0.3474,
0.3498

■ 34.6231, 0.3288,
0.3391

Harmonies

Analogous

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



12.4717, 0.5562, 0.3102



12.4717, 0.5647, 0.3898



12.4717, 0.4952, 0.4829

Triad

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



12.4717, 0.5647, 0.3898



12.4717, 0.1707, 0.4382



12.4717, 0.1934, 0.1502

Complementary

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



12.4717, 0.5647, 0.3898



11.5376, 0.1858, 0.1889

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.



12.4717, 0.1310, 0.1490



12.4717, 0.5647, 0.3898



12.4717, 0.1168, 0.2752

Square

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



12.4717, 0.5647, 0.3898



12.4717, 0.2706, 0.5774



12.4717, 0.1069, 0.1837



12.4717, 0.3046, 0.1809

Rectangle

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



12.4717, 0.5647, 0.3898



12.4717, 0.4250, 0.5452



12.4717, 0.1069, 0.1837



12.4717, 0.1676, 0.1465

Sweetspot

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



12.4724, 0.5647, 0.3898



49.0424, 0.3702, 0.3615



9.1426, 0.4528, 0.2268



10.4690, 0.3798, 0.3660



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.4724, 0.5647, 0.3898



21.9429, 0.5677, 0.3874



30.1326, 0.4379, 0.4905



8.0322, 0.3276, 0.3384



9.6321, 0.5631, 0.3911



0.3358, 0.5052, 0.4371

Inverse Universe

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



11.5376, 0.1858, 0.1889



20.2383, 0.1851, 0.1862



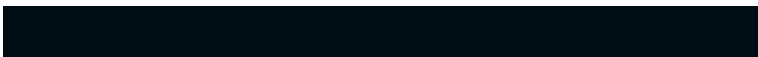
3.1834, 0.1521, 0.0675



8.0048, 0.2987, 0.3195



8.9229, 0.1862, 0.1903



0.3143, 0.2004, 0.2412

Previews

White Background



This preview shows how the Yxy color 12.4717, 0.5647, 0.3898 looks on a white background.

Color Contrast Check

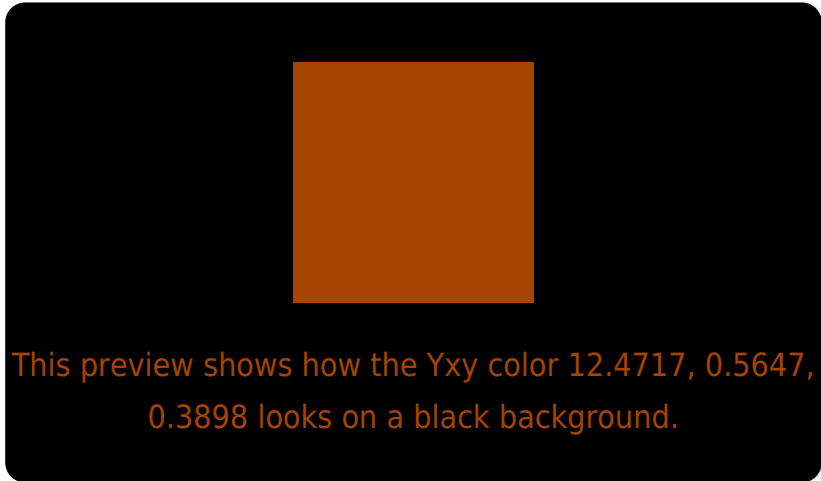
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.4717, 0.5647, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 12.4717, 0.5647, 0.3898.



This preview shows how white text looks on a background with the Yxy color 12.4717, 0.5647, 0.3898.

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

12.4717, 0.5647, 0.3898

Protanopia

12.6625, 0.4332, 0.4787

Deuteranopia

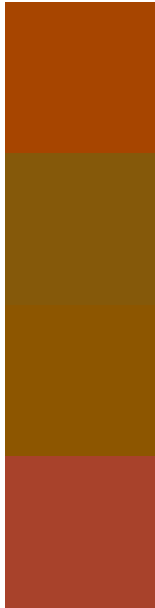
12.6200, 0.4688, 0.4660



Tritanopia

12.5192, 0.4980, 0.3241

Trichromacy



Original Color

12.4717, 0.5647, 0.3898

Protanomaly

12.1532, 0.4857, 0.4438

Deuteranomaly

12.3183, 0.5066, 0.4360

Tritanomaly

12.3957, 0.5352, 0.3579

Monochromacy



Original Color

12.4717, 0.5647, 0.3898

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1815, 0.4212, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4717, 0.5647, 0.3898 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(167, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 69, 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(167, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 69, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.4717, 0.5647, 0.3898 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(167, 69, 0) }
```

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

```
.border{ border-color:rgb(167, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 69, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4717, 0.5647, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 69, 0) }
```

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

```
.background{ background-color: rgb(167, 69,  
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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