

Converting Colors

$Y_{xy}(17.4350, 0.5014, 0.4401)$

Have a look what the booklet for
Yxy(17.4350, 0.5014, 0.4401)
contains.

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Color

Yxy(17.4870, 0.5018, 0.4398)

Conversions

Conversions Part 1

Format	Color
Hex	A36700
RGB	163, 103, 0
RGB Percent	64%, 40%, 0%
CMY	0.3608, 0.5960, 1.0000
CMYK	0.00, 0.37, 1.00, 0.36
HSL	38°, 100%, 32%
HSV	38°, 100%, 64%
XYZ	19.9522, 17.4870, 2.3221
YIQ	109.1980, 68.8230, -19.3130

Conversions

Conversions Part 2

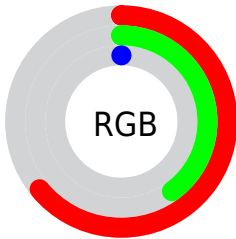
Format	Color
R _Y B	95, 163, 0
Decimal	10708736
CIE Lab	48.87, 17.56, 56.38
CIE LCh	49, 59.048, 72.705
Yxy	17.4870, 0.5018, 0.4398
Android (android.graphics.Color)	4288898816 (0xFFA36700)
YUV	109.1980, -53.8346, 47.1844
Hunter-Lab	41.8175, 11.9864, 25.9799

Details

The Yxy color **17.4870, 0.5018, 0.4398** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8728, 0.1663, 0.1188**, and the grayscale version is **15.4942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1470, 0.4666, 0.4262**, and **5.8316, 0.5240, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **17.4880, 0.5018, 0.4398**, and if you desaturate by 10%, it is **18.7627, 0.4867, 0.4419**.

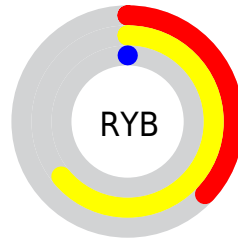
Distribution



Red (64%)

Green (40%)

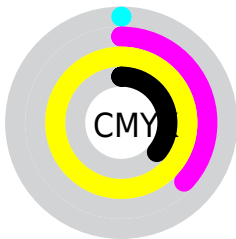
Blue (0%)



Red (37%)

Yellow (64%)

Blue (0%)

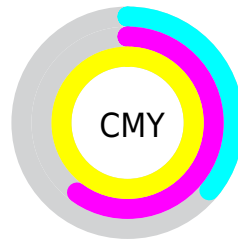


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4870, 0.5018, 0.4398 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 17.4870, 0.5018, 0.4398 by changing the saturation by 10% instead.


 17.4870, 0.5018,
0.4398


 17.4870, 0.5018,
0.4398

237.9634, 0.4010,
0.3903


 10.5823, 0.5240,
0.4447


 39.1612, 0.4661,
0.4261


 5.7867, 0.5523,
0.4477

 54.6995, 0.4522,
0.4194


 2.7158, 0.5697,
0.4303

 73.8845, 0.4402,
0.4131

 0.9852, 0.5997,
0.4003

 97.1006, 0.4300,
0.4075


 0.0000, 1.0000,
0.0000


 124.7321, 0.4212,
0.4025

 0.0000, 0.0000,
0.0000


 157.1635, 0.4136,

0.3980


 194.7791, 0.4069,
0.3940

 17.4870, 0.5018,
0.4398


 17.4870, 0.5018,
0.4398


 17.4880, 0.5018,
0.4398

 18.7627, 0.4867,
0.4419

 20.1557, 0.4692,
0.4398

 21.6818, 0.4492,
0.4331

 23.3482, 0.4278,
0.4223

 25.1614, 0.4059,
0.4086

■ 27.1272, 0.3845,
0.3932

■ 29.2509, 0.3642,
0.3768

■ 31.5376, 0.3454,
0.3604

■ 33.9919, 0.3282,
0.3443

Harmonies

Analogous

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



17.4870, 0.5322, 0.3632



17.4870, 0.5018, 0.4398



17.4870, 0.4230, 0.5133

Triad

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



17.4870, 0.5018, 0.4398



17.4870, 0.1591, 0.3345



17.4870, 0.2664, 0.1876

Complementary

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



17.4870, 0.5018, 0.4398



5.8728, 0.1663, 0.1188

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.



17.4870, 0.1854, 0.1702



17.4870, 0.5018, 0.4398



17.4870, 0.1333, 0.2325

Square

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



17.4870, 0.5018, 0.4398



17.4870, 0.2264, 0.4682



17.4870, 0.1426, 0.1822



17.4870, 0.3804, 0.2307

Rectangle

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



17.4870, 0.5018, 0.4398



17.4870, 0.3576, 0.5412



17.4870, 0.1426, 0.1822



17.4870, 0.2349, 0.1787

Sweetspot

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



17.4880, 0.5018, 0.4398



52.1768, 0.3653, 0.3778



8.1381, 0.5423, 0.2761



11.3694, 0.3733, 0.3844



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.4880, 0.5018, 0.4398



30.9317, 0.5036, 0.4383



32.1161, 0.3991, 0.5213



7.7969, 0.3270, 0.3432



13.6827, 0.5008, 0.4405



0.3730, 0.4648, 0.4691

Inverse Universe

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



5.8728, 0.1663, 0.1188



10.1676, 0.1655, 0.1156



2.7824, 0.1546, 0.0626



7.2669, 0.2987, 0.3144



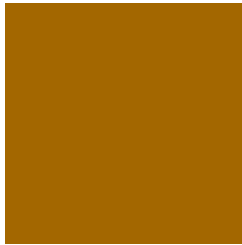
4.6457, 0.1668, 0.1205



0.1858, 0.1872, 0.1941

Previews

White Background



This preview shows how the Yxy color 17.4870, 0.5018, 0.4398 looks on a white background.

Color Contrast Check

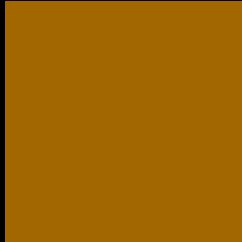
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4870, 0.5018, 0.4398 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 17.4870, 0.5018, 0.4398

Background



This preview shows how black text looks on a background with the Yxy color 17.4870, 0.5018, 0.4398.



This preview shows how white text looks on a background with the Yxy color 17.4870, 0.5018, 0.4398.

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

17.4870, 0.5018, 0.4398

Protanopia

17.6547, 0.4366, 0.4835

Deuteranopia

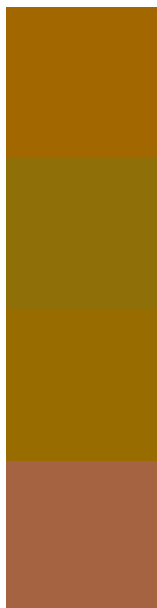
17.5719, 0.4694, 0.4655



Tritanopia

17.5605, 0.4091, 0.3184

Trichromacy



Original Color

17.4870, 0.5018, 0.4398

Protanomaly

17.4455, 0.4602, 0.4677

Deuteranomaly

17.4974, 0.4818, 0.4557

Tritanomaly

17.4240, 0.4603, 0.3788

Monochromacy



Original Color

17.4870, 0.5018, 0.4398

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.6122, 0.3962, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4870, 0.5018, 0.4398 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(163, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 103, 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(163, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4870, 0.5018, 0.4398 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(163, 103, 0) }
```

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

```
.border{ border-color:rgb(163, 103, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 103, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4870, 0.5018, 0.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 103, 0) }
```

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

```
.background{ background-color: rgb(163,  
103, 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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