

Converting Colors

$Y_{xy}(16.9815, 0.4874, 0.5126)$

Have a look what the booklet for
Yxy(16.9815, 0.4874, 0.5126)
contains.

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Color

Yxy(17.1638, 0.4587, 0.4740)

Conversions

Conversions Part 1

Format	Color
Hex	8C7000
RGB	140, 112, 0
RGB Percent	55%, 44%, 0%
CMY	0.4510, 0.5608, 1.0000
CMYK	0.00, 0.20, 1.00, 0.45
HSL	48°, 100%, 27%
HSV	48°, 100%, 55%
XYZ	16.6098, 17.1638, 2.4370
YIQ	107.6040, 52.6400, -28.8960

Conversions

Conversions Part 2

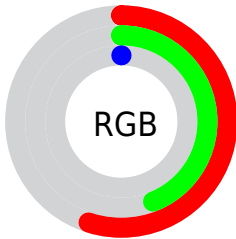
Format	Color
R_{YB}	35, 140, 0
Decimal	9203712
CIE Lab	48.47, 1.67, 54.78
CIE LCh	48, 54.810, 88.253
Yxy	17.1638, 0.4587, 0.4740
Android (android.graphics.Color)	4287393792 (0xFF8C7000)
YUV	107.6040, -53.0488, 28.4113
Hunter-Lab	41.4292, -0.9370, 25.5129

Details

The Yxy color **17.1638, 0.4587, 0.4740** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.7241, 0.1563, 0.0827**, and the grayscale version is **15.0203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4236, 0.4324, 0.4488**, and **5.7119, 0.4638, 0.4700** is the 20% darker color. If you saturate the color by 10%, you get **17.1647, 0.4587, 0.4740**, and if you desaturate by 10%, it is **17.8240, 0.4500, 0.4717**.

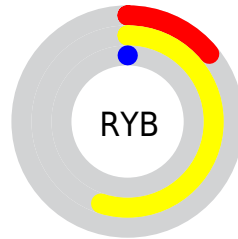
Distribution



Red (55%)

Green (44%)

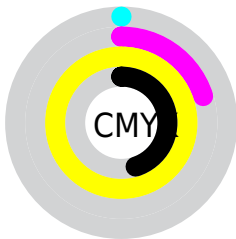
Blue (0%)



Red (14%)

Yellow (55%)

Blue (0%)

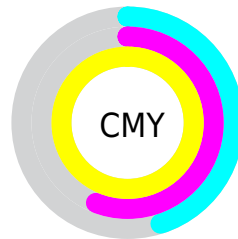


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1638, 0.4587, 0.4740 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 17.1638, 0.4587, 0.4740 by changing the saturation by 10% instead.


 17.1638, 0.4587,
0.4740


 17.1638, 0.4587,
0.4740


236.1145, 0.3826,
0.3995


 10.3513, 0.4739,
0.4881


 38.6072, 0.4325,
0.4488


 5.6325, 0.4938,
0.5062

 54.0069, 0.4219,
0.4385

 2.6229, 0.4957,
0.5043


 73.0379, 0.4129,
0.4296

 0.9382, 0.4991,
0.5009


 96.0844, 0.4050,
0.4218


 0.0000, 0.0000,
0.0000


 123.5309, 0.3982,
0.4151


 155.7619, 0.3923,


0.4092


 193.1616, 0.3871,
0.4040


 17.1638, 0.4587,
0.4740

 17.1638, 0.4587,
0.4740


 17.1647, 0.4587,
0.4740

 17.8240, 0.4500,
0.4717

 18.5231, 0.4393,
0.4662

 19.2730, 0.4262,
0.4563

 20.0776, 0.4110,
0.4427

 20.9404, 0.3945,
0.4262

■ 21.8645, 0.3773,
0.4076

■ 22.8527, 0.3601,
0.3879

■ 23.9075, 0.3434,
0.3678

■ 25.0313, 0.3275,
0.3481

Harmonies

Analogous

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



17.1638, 0.5131, 0.4014



17.1638, 0.4587, 0.4740



17.1638, 0.3718, 0.5248

Triad

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



17.1638, 0.4587, 0.4740



17.1638, 0.1498, 0.2794



17.1638, 0.3228, 0.2133

Complementary

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



17.1638, 0.4587, 0.4740



2.7241, 0.1563, 0.0827

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.



17.1638, 0.2277, 0.1833



17.1638, 0.4587, 0.4740



17.1638, 0.1426, 0.2084

Square

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



17.1638, 0.4587, 0.4740



17.1638, 0.1942, 0.3949



17.1638, 0.1680, 0.1800



17.1638, 0.4326, 0.2653

Rectangle

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



17.1638, 0.4587, 0.4740



17.1638, 0.3071, 0.5210



17.1638, 0.1680, 0.1800



17.1638, 0.2877, 0.2005

Sweetspot

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



17.1647, 0.4587, 0.4740



40.1748, 0.3612, 0.3891



5.6596, 0.6026, 0.3094



9.1052, 0.3676, 0.3965



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



17.1647, 0.4587, 0.4740



30.0318, 0.4596, 0.4732



21.3539, 0.3684, 0.5457



5.6779, 0.3262, 0.3464



15.2786, 0.4585, 0.4742



0.1215, 0.4371, 0.4911

Inverse Universe

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



2.7241, 0.1563, 0.0827



4.6127, 0.1555, 0.0799



2.3858, 0.1721, 0.0722



5.0438, 0.2991, 0.3110



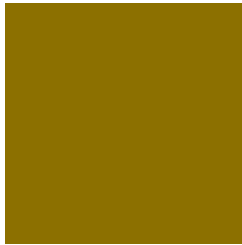
2.4444, 0.1565, 0.0834



0.0333, 0.1748, 0.1493

Previews

White Background



This preview shows how the Yxy color 17.1638, 0.4587, 0.4740 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

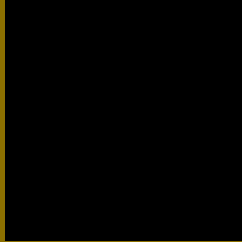
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1638, 0.4587, 0.4740

Background



This preview shows how black text looks on a background with the Yxy color 17.1638, 0.4587, 0.4740.



This preview shows how white text looks on a background with the Yxy color 17.1638, 0.4587, 0.4740.

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

17.1638, 0.4587, 0.4740

Protanopia

17.2498, 0.4372, 0.4870

Deuteranopia

17.0680, 0.4685, 0.4603



Tritanopia

17.1815, 0.3619, 0.3152

Trichromacy



Original Color

17.1638, 0.4587, 0.4740

Protanomaly

17.3386, 0.4447, 0.4824

Deuteranomaly

17.0943, 0.4653, 0.4648

Tritanomaly

16.8996, 0.4155, 0.3923

Monochromacy



Original Color

17.1638, 0.4587, 0.4740

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3600, 0.3811, 0.4097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1638, 0.4587, 0.4740 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(140, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 112, 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(140, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.1638, 0.4587, 0.4740 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(140, 112, 0) }
```

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

```
.border{ border-color:rgb(140, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(140, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1638, 0.4587, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 112, 0) }
```

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

```
.background{ background-color: rgb(140,  
112, 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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