

Converting Colors

$Y_{xy}(16.7722, 0.3960, 0.4868)$

Have a look what the booklet for
Yxy(16.7722, 0.3960, 0.4868)
contains.

Yxy(16.8199, 0.3964, 0.4868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8199, 0.3964, 0.4868)

Conversions

Conversions Part 1

Format	Color
Hex	717722
RGB	113, 119, 34
RGB Percent	44%, 47%, 13%
CMY	0.5568, 0.5333, 0.8668
CMYK	0.05, 0.00, 0.71, 0.53
HSL	64°, 56%, 30%
HSV	64°, 71%, 47%
XYZ	13.6964, 16.8199, 4.0357
YIQ	107.5160, 23.7090, -27.7070

Conversions

Conversions Part 2

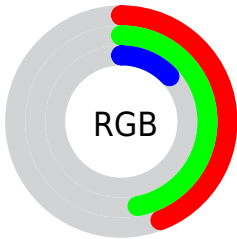
Format	Color
R_{YB}	34, 119, 40
Decimal	7436066
CIE _{Lab}	48.03, -13.87, 43.72
CIE _{LCh}	48, 45.864, 107.597
Yxy	16.8199, 0.3964, 0.4868
Android (android.graphics.Color)	4285626146 (0xFF717722)
YUV	107.5160, -36.2434, 4.8095
Hunter-Lab	41.0121, -12.1592, 22.8742

Details

The Yxy color **16.8199, 0.3964, 0.4868** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9247, 0.1875, 0.1148**, and the grayscale version is **14.9520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9814, 0.3816, 0.4516**, and **5.5306, 0.3994, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **16.7082, 0.4022, 0.4997**, and if you desaturate by 10%, it is **16.9575, 0.3883, 0.4701**.

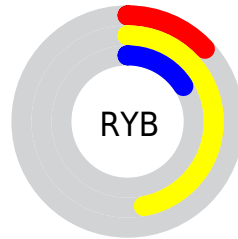
Distribution



Red (44%)

Green (47%)

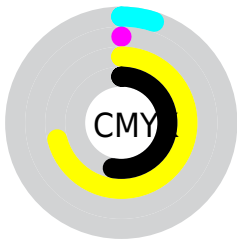
Blue (13%)



Red (13%)

Yellow (47%)

Blue (16%)

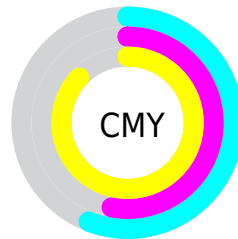


Cyan (5%)

Magenta (0%)

Yellow (71%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8199, 0.3964, 0.4868 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 16.8199, 0.3964, 0.4868 by changing the saturation by 10% instead.

■ 16.8199, 0.3964,
0.4868

■ 16.8199, 0.3964,
0.4868

■ 234.1324, 0.3531,
0.3957

■ 10.1062, 0.4047,
0.5119

■ 38.0159, 0.3815,
0.4512

■ 5.4694, 0.4169,
0.5507

■ 53.2669, 0.3755,
0.4385

■ 2.5252, 0.4137,
0.5863

■ 72.1324, 0.3703,
0.4281

■ 0.8892, 0.3630,
0.6370

■ 94.9970, 0.3658,
0.4194

■ 0.0000, 0.0000,
0.0000

■ 122.2448, 0.3620,
0.4121

■ 154.2604, 0.3586,

0.4058

191.4281, 0.3557,
0.4004

16.8199, 0.3964,
0.4868

16.8199, 0.3964,
0.4868

16.7082, 0.4022,
0.4997

16.9575, 0.3883,
0.4701

16.6174, 0.4056,
0.5087

17.1208, 0.3783,
0.4503

16.5487, 0.4075,
0.5146

17.3125, 0.3667,
0.4281

17.5346, 0.3541,
0.4044

17.7885, 0.3409,
0.3801

■ 18.0759, 0.3276,
0.3559

■ 18.3980, 0.3146,
0.3323

■ 18.7563, 0.3020,
0.3099

■ 19.1520, 0.2901,
0.2889

Harmonies

Analogous

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



16.8199, 0.4622, 0.4377



16.8199, 0.3964, 0.4868



16.8199, 0.3134, 0.4883

Triad

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



16.8199, 0.3964, 0.4868



16.8199, 0.1625, 0.2442



16.8199, 0.3827, 0.2564

Complementary

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



16.8199, 0.3964, 0.4868



2.9247, 0.1875, 0.1148

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.



16.8199, 0.2906, 0.2160



16.8199, 0.3964, 0.4868



16.8199, 0.1748, 0.2050

Square

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



16.8199, 0.3964, 0.4868



16.8199, 0.1816, 0.3206



16.8199, 0.2175, 0.1975



16.8199, 0.4609, 0.3120

Rectangle

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



16.8199, 0.3964, 0.4868



16.8199, 0.2589, 0.4493



16.8199, 0.2175, 0.1975



16.8199, 0.3515, 0.2409

Sweetspot

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



16.8207, 0.3964, 0.4868



31.8499, 0.3410, 0.3803



5.5308, 0.5303, 0.3394



7.5232, 0.3440, 0.3856



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.8207, 0.3964, 0.4868



29.8059, 0.4047, 0.5062



14.6419, 0.3388, 0.5239



4.2538, 0.3244, 0.3501



17.5801, 0.4075, 0.5147



85.5147, 0.4068, 0.5152

Inverse Universe

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



2.9247, 0.1875, 0.1148



3.2448, 0.1639, 0.0780



4.2751, 0.2502, 0.1446



3.6011, 0.3005, 0.3072



1.4707, 0.1535, 0.0619



7.0207, 0.1516, 0.0609

Previews

White Background



This preview shows how the Yxy color 16.8199, 0.3964, 0.4868 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 16.8199, 0.3964, 0.4868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

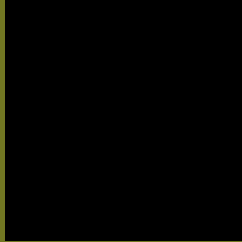
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8199, 0.3964, 0.4868

Background



This preview shows how black text looks on a background with the Yxy color 16.8199, 0.3964, 0.4868.



This preview shows how white text looks on a background with the Yxy color 16.8199, 0.3964, 0.4868.

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

16.8199, 0.3964, 0.4868

Protanopia

16.7336, 0.4245, 0.4675

Deuteranopia

16.7047, 0.4496, 0.4407



Tritanopia

16.7899, 0.3149, 0.3117

Trichromacy



Original Color

16.8199, 0.3964, 0.4868

Protanomaly

16.8115, 0.4148, 0.4748

Deuteranomaly

16.6274, 0.4297, 0.4567

Tritanomaly

16.6074, 0.3495, 0.3796

Monochromacy



Original Color

16.8199, 0.3964, 0.4868

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4974, 0.3492, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8199, 0.3964, 0.4868 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(113, 119, 34)` looks like.

```
.text, #text, p{  
    color:rgb(113, 119, 34)  
}
```

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(113, 119, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 119, 34) }
```

Border

The CSS property to change the border of an element to Yxy 16.8199, 0.3964, 0.4868 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(113, 119, 34) }
```

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

```
.border{ border-color:rgb(113, 119, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 119, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 119, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 119, 34);  
box-shadow:4px 4px 4px 4px rgb(113, 119,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8199, 0.3964, 0.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 119, 34) }
```

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

```
.background{ background-color: rgb(113,  
119, 34) }
```

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