

Converting Colors

$Y_{xy}(18.8009, 0.4492, 0.3773)$

Have a look what the booklet for
Yxy(18.8009, 0.4492, 0.3773)
contains.

Yxy(18.6933, 0.4496, 0.3774)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6933, 0.4496, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	A86848
RGB	168, 104, 72
RGB Percent	66%, 41%, 28%
CMY	0.3412, 0.5922, 0.7176
CMYK	0.00, 0.38, 0.57, 0.34
HSL	20°, 40%, 47%
HSV	20°, 57%, 66%
XYZ	22.2695, 18.6933, 8.5690
YIQ	119.4880, 48.4160, 3.6160

Conversions

Conversions Part 2

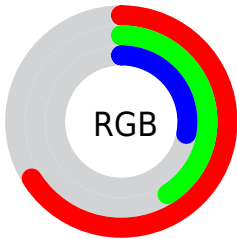
Format	Color
R_{YB}	168, 120, 72
Decimal	11036744
CIE Lab	50.33, 22.35, 28.65
CIE LCh	50, 36.337, 52.036
Yxy	18.6933, 0.4496, 0.3774
Android (android.graphics.Color)	4289226824 (0xFFA86848)
YUV	119.4880, -23.4116, 42.5450
Hunter-Lab	43.2357, 16.2777, 18.5142

Details

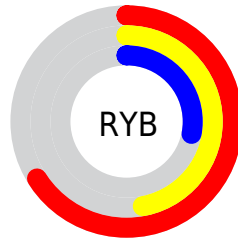
The Yxy color **18.6933, 0.4496, 0.3774** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.8209, 0.2300, 0.2706**, and the grayscale version is **18.6760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3262, 0.4184, 0.3702**, and **6.3522, 0.5035, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **16.3965, 0.4840, 0.3826**, and if you desaturate by 10%, it is **21.3515, 0.4176, 0.3700**.

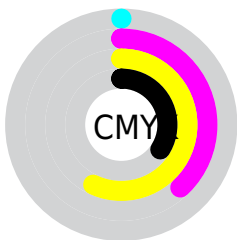
Distribution



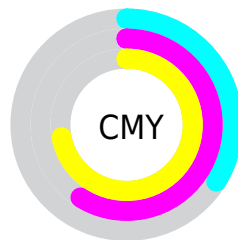
- Red (66%)
- Green (41%)
- Blue (28%)



- Red (66%)
- Yellow (47%)
- Blue (28%)



- Cyan (0%)
- Magenta (38%)
- Yellow (57%)
- Black (34%)





- Cyan (34%)
- Magenta (59%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6933, 0.4496, 0.3774 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 18.6933, 0.4496, 0.3774 by changing the saturation by 10% instead.


 18.6933, 0.4496,
0.3774


 18.6933, 0.4496,
0.3774


244.7503, 0.3710,
0.3539


 11.4489, 0.4726,
0.3818


 41.2152, 0.4185,
0.3696


 6.3696, 0.5038,
0.3855


 57.2615, 0.4076,
0.3664


 3.0711, 0.5532,
0.3900

 77.0105, 0.3986,
0.3636

 1.1690, 0.6198,
0.3802

 100.8466, 0.3912,
0.3611

 0.0361, 0.9414,
0.0586

 129.1543, 0.3850,
0.3590

 0.0000, 0.0000,
0.0000

162.3178, 0.3796,

0.3571

200.7217, 0.3750,
0.3554

■ 18.6933, 0.4496,
0.3774

■ 18.6933, 0.4496,
0.3774

■ 16.3965, 0.4840,
0.3826

■ 21.3515, 0.4176,
0.3700

■ 14.4417, 0.5189,
0.3845

■ 24.3839, 0.3889,
0.3613

■ 12.8113, 0.5515,
0.3818

■ 27.8059, 0.3639,
0.3523

■ 11.4833, 0.5791,
0.3746

■ 31.6313, 0.3424,
0.3433

■ 11.1511, 0.5866,
0.3724

■ 35.8731, 0.3241,
0.3348

■ 40.5436, 0.3085,
0.3268

■ 45.6549, 0.2953,
0.3194

■ 51.2181, 0.2841,
0.3126

■ 57.2444, 0.2745,
0.3064

Harmonies

Analogous

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



18.6933, 0.4322, 0.3256



18.6933, 0.4496, 0.3774



18.6933, 0.4258, 0.4252

Triad

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



18.6933, 0.4496, 0.3774



18.6933, 0.2455, 0.3867



18.6933, 0.2453, 0.2245

Complementary

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



18.6933, 0.4496, 0.3774



21.8209, 0.2300, 0.2706

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.



18.6933, 0.2060, 0.2286



18.6933, 0.4496, 0.3774



18.6933, 0.2053, 0.3146

Square

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



18.6933, 0.4496, 0.3774



18.6933, 0.3065, 0.4426



18.6933, 0.1922, 0.2581



18.6933, 0.3068, 0.2424

Rectangle

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



18.6933, 0.4496, 0.3774



18.6933, 0.3926, 0.4478



18.6933, 0.1922, 0.2581



18.6933, 0.2295, 0.2232

Sweetspot

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



18.6942, 0.4496, 0.3774



57.2647, 0.3427, 0.3435



14.7865, 0.3635, 0.2334



12.1818, 0.3466, 0.3452



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.



18.6942, 0.4496, 0.3774



28.5749, 0.4950, 0.3836



30.7359, 0.4065, 0.4416



7.9355, 0.3278, 0.3366



8.5065, 0.5848, 0.3739



0.3005, 0.5222, 0.4236

Inverse Universe

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



21.8209, 0.2300, 0.2706



34.6913, 0.2153, 0.2543



11.4541, 0.2109, 0.1807



8.1046, 0.2987, 0.3213



10.9872, 0.1940, 0.2183



0.3554, 0.2053, 0.2592

Previews

White Background



This preview shows how the Yxy color 18.6933, 0.4496, 0.3774 looks on a white 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

Black Background



This preview shows how the Yxy color 18.6933, 0.4496, 0.3774 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 18.6933, 0.4496, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 18.6933, 0.4496, 0.3774.



This preview shows how white text looks on a background with the Yxy color 18.6933, 0.4496, 0.3774.

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

18.6933, 0.4496, 0.3774

Protanopia

18.8083, 0.3779, 0.4073

Deuteranopia

18.8147, 0.4121, 0.4061



Tritanopia

18.7219, 0.4047, 0.3185

Trichromacy



Original Color

18.6933, 0.4496, 0.3774

Protanomaly

18.4857, 0.4029, 0.3956

Deuteranomaly

18.6938, 0.4255, 0.3948

Tritanomaly

18.5505, 0.4224, 0.3401

Monochromacy



Original Color

18.6933, 0.4496, 0.3774

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3123, 0.3591, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6933, 0.4496, 0.3774 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(168, 104, 72)` looks like.

```
.text, #text, p{  
    color:rgb(168, 104, 72)  
}
```

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(168, 104, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 104, 72) }
```

Border

The CSS property to change the border of an element to Yxy 18.6933, 0.4496, 0.3774 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(168, 104, 72) }
```

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

```
.border{ border-color:rgb(168, 104, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 104, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 104, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 104, 72);  
box-shadow:4px 4px 4px 4px rgb(168, 104,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6933, 0.4496, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 104, 72) }
```

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

```
.background{ background-color: rgb(168,  
104, 72) }
```

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