

Converting Colors

$Y_{xy}(23.8569, 0.3853, 0.3300)$

Have a look what the booklet for
Yxy(23.8569, 0.3853, 0.3300)
contains.

Yxy(23.9950, 0.3852, 0.3307)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9950, 0.3852, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	B07877
RGB	176, 120, 119
RGB Percent	69%, 47%, 47%
CMY	0.3098, 0.5294, 0.5333
CMYK	0.00, 0.32, 0.32, 0.31
HSL	1°, 27%, 58%
HSV	1°, 32%, 69%
XYZ	27.9494, 23.9950, 20.6138
YIQ	136.6300, 33.6970, 11.5610

Conversions

Conversions Part 2

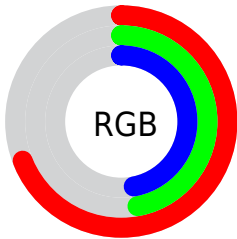
Format	Color
R_{YB}	176, 120, 119
Decimal	11565175
CIE _{Lab}	56.08, 21.79, 9.44
CIE _{LCh}	56, 23.747, 23.423
Yxy	23.9950, 0.3852, 0.3307
Android (android.graphics.Color)	4289755255 (0xFFB07877)
YUV	136.6300, -8.6916, 34.5275
Hunter-Lab	48.9847, 16.1244, 9.3388

Details

The Yxy color **23.9950, 0.3852, 0.3307** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **37.7128, 0.2671, 0.3273**, and the grayscale version is **24.8941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1511, 0.3694, 0.3314**, and **9.0990, 0.4132, 0.3293** is the 20% darker color. If you saturate the color by 10%, you get **19.8212, 0.4194, 0.3313**, and if you desaturate by 10%, it is **29.0003, 0.3572, 0.3301**.

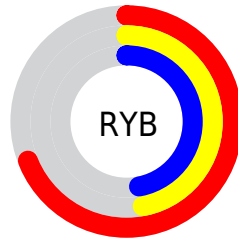
Distribution



Red (69%)

Green (47%)

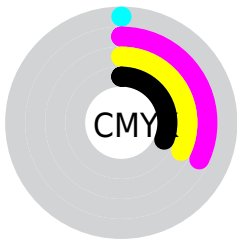
Blue (47%)



Red (69%)

Yellow (47%)

Blue (47%)

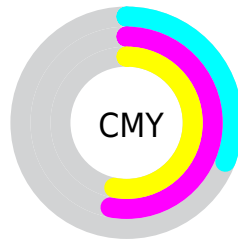


Cyan (0%)

Magenta (32%)

Yellow (32%)

Black (31%)



Cyan (31%)


Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9950, 0.3852, 0.3307 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 23.9950, 0.3852, 0.3307 by changing the saturation by 10% instead.


 23.9950, 0.3852,
0.3307


 23.9950, 0.3852,
0.3307


272.7952, 0.3446,
0.3306


 15.3299, 0.3971,
0.3303


 50.0220, 0.3693,
0.3309

 9.0513, 0.4135,
0.3295


 68.1528, 0.3636,
0.3309

 4.7746, 0.4376,
0.3276

 90.2075, 0.3590,
0.3309

 2.1156, 0.4763,
0.3231

116.5707, 0.3552,
0.3309

 0.6734, 0.6198,
0.3429

147.6266, 0.3519,
0.3308

 0.0000, 1.0000,
0.0000


183.7598, 0.3491,


 0.0000, 0.0000,


0.3308

0.0000

225.3545, 0.3467,
0.3307

 23.9950, 0.3852,
0.3307

 23.9950, 0.3852,
0.3307


 19.8212, 0.4194,
0.3313


 29.0003, 0.3572,
0.3301


 16.4307, 0.4599,
0.3317


 34.8752, 0.3346,
0.3296


 13.7758, 0.5054,
0.3321


 41.6593, 0.3165,
0.3291

 11.8018, 0.5523,
0.3321


 49.3889, 0.3019,
0.3287

 10.4469, 0.5942,
0.3318


 58.0985, 0.2901,
0.3283

 9.6376, 0.6242,
0.3312

 67.8206, 0.2806,
0.3279

 9.2959, 0.6387,
0.3310

 78.5864, 0.2727,
0.3276

 87.9689, 0.2681,
0.3289

Harmonies

Analogous

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



23.9950, 0.3538, 0.2989



23.9950, 0.3852, 0.3307



23.9950, 0.3955, 0.3640

Triad

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



23.9950, 0.3852, 0.3307



23.9950, 0.3090, 0.3931



23.9950, 0.2462, 0.2660

Complementary

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



23.9950, 0.3852, 0.3307



37.7128, 0.2671, 0.3273

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.



23.9950, 0.2363, 0.2859



23.9950, 0.3852, 0.3307



23.9950, 0.2709, 0.3612

Square

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



23.9950, 0.3852, 0.3307



23.9950, 0.3498, 0.4037



23.9950, 0.2449, 0.3205



23.9950, 0.2731, 0.2626

Rectangle

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



23.9950, 0.3852, 0.3307



23.9950, 0.3889, 0.3835



23.9950, 0.2449, 0.3205



23.9950, 0.2409, 0.2708

Sweetspot

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



23.9961, 0.3852, 0.3307



65.8261, 0.3303, 0.3295



25.5215, 0.3174, 0.2513



13.9176, 0.3330, 0.3296



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.9961, 0.3852, 0.3307



37.8506, 0.4095, 0.3311



31.8820, 0.3721, 0.3720



8.5283, 0.3287, 0.3295



6.8306, 0.6385, 0.3312



0.2228, 0.6318, 0.3366

Inverse Universe

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



37.7128, 0.2671, 0.3273



66.7082, 0.2585, 0.3269



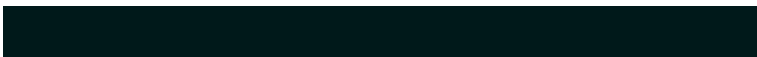
27.7845, 0.2616, 0.2816



9.6054, 0.2986, 0.3286



24.2135, 0.2232, 0.3235



0.7699, 0.2236, 0.3251

Previews

White Background



This preview shows how the Yxy color 23.9950, 0.3852, 0.3307 looks on a white background.

Color Contrast Check

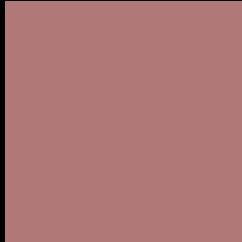
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9950, 0.3852, 0.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

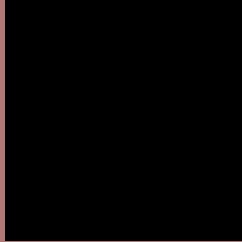
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9950, 0.3852, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 23.9950, 0.3852, 0.3307.



This preview shows how white text looks on a background with the Yxy color 23.9950, 0.3852, 0.3307.

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

23.9950, 0.3852, 0.3307

Protanopia

24.0715, 0.3259, 0.3410

Deuteranopia

24.1196, 0.3562, 0.3504



Tritanopia

24.0993, 0.3752, 0.3159

Trichromacy



Original Color

23.9950, 0.3852, 0.3307

Protanomaly

23.8312, 0.3459, 0.3373

Deuteranomaly

23.9111, 0.3664, 0.3418

Tritanomaly

24.0214, 0.3791, 0.3203

Monochromacy



Original Color

23.9950, 0.3852, 0.3307

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4236, 0.3373, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9950, 0.3852, 0.3307 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(176, 120, 119)` looks like.

```
.text, #text, p{  
    color:rgb(176, 120, 119)  
}
```

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(176, 120, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 120, 119) }
```

Border

The CSS property to change the border of an element to Yxy 23.9950, 0.3852, 0.3307 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(176, 120, 119) }
```

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

```
.border{ border-color:rgb(176, 120, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 120, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 120, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 120, 119);  
box-shadow:4px 4px 4px 4px rgb(176, 120,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9950, 0.3852, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 120, 119) }
```

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

```
.background{ background-color: rgb(176,  
120, 119) }
```

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