

Converting Colors

$Y_{xy}(23.2284, 0.3469, 0.3711)$

Have a look what the booklet for
Yxy(23.2284, 0.3469, 0.3711)
contains.

Yxy(23.3467, 0.3471, 0.3727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3467, 0.3471, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	8B856C
RGB	139, 133, 108
RGB Percent	55%, 52%, 42%
CMY	0.4549, 0.4784, 0.5764
CMYK	0.00, 0.04, 0.22, 0.45
HSL	48°, 13%, 48%
HSV	48°, 22%, 55%
XYZ	21.7431, 23.3467, 17.5523
YIQ	131.9440, 11.6010, -6.5030

Conversions

Conversions Part 2

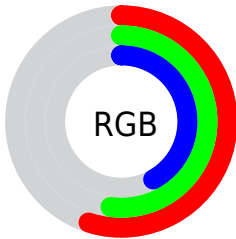
Format	Color
RYB	115, 139, 108
Decimal	9143660
CIELab	55.43, -2.08, 14.30
CIElCh	55, 14.454, 98.284
Yxy	23.3467, 0.3471, 0.3727
Android (android.graphics.Color)	4287333740 (0xFF8B856C)
YUV	131.9440, -11.8044, 6.1881
Hunter-Lab	48.3184, -4.2331, 12.2850

Details

The Yxy color **23.3467, 0.3471, 0.3727** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.0931, 0.2774, 0.2811**, and the grayscale version is **23.0945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9933, 0.3395, 0.3624**, and **8.7907, 0.3612, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **22.3468, 0.3639, 0.3928**, and if you desaturate by 10%, it is **24.4148, 0.3311, 0.3527**.

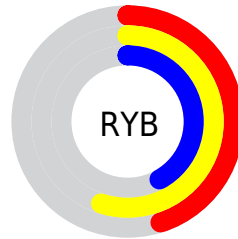
Distribution



Red (55%)

Green (52%)

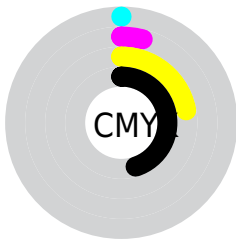
Blue (42%)



Red (45%)

Yellow (55%)

Blue (42%)

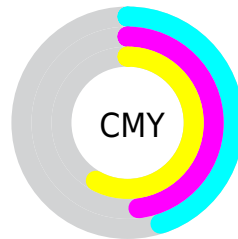


Cyan (0%)

Magenta (4%)

Yellow (22%)

Black (45%)



Cyan (45%)


Magenta (48%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3467, 0.3471, 0.3727 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 23.3467, 0.3471, 0.3727 by changing the saturation by 10% instead.


 23.3467, 0.3471,
0.3727


 23.3467, 0.3471,
0.3727


269.5007, 0.3280,
0.3483


 14.8497, 0.3526,
0.3798


 48.9620, 0.3397,
0.3631


 8.7140, 0.3600,
0.3897


 66.8491, 0.3370,
0.3597

 4.5551, 0.3708,
0.4041

 88.6350, 0.3349,
0.3570

 1.9887, 0.3878,
0.4274

 114.7041, 0.3331,
0.3546

 0.6009, 0.4641,
0.5359

145.4409, 0.3315,
0.3527

 0.0000, 0.0000,
0.0000

181.2296, 0.3302,

0.3510

222.4548, 0.3291,
0.3495

■ 23.3467, 0.3471,
0.3727

■ 23.3467, 0.3471,
0.3727

■ 22.3468, 0.3639,
0.3928

■ 24.4148, 0.3311,
0.3527

■ 21.4095, 0.3810,
0.4125

■ 25.5503, 0.3160,
0.3333

■ 20.5335, 0.3979,
0.4308

■ 26.7562, 0.3021,
0.3149

■ 19.7158, 0.4140,
0.4469

■ 28.0345, 0.2893,
0.2976

■ 18.9535, 0.4285,
0.4598

■ 29.3871, 0.2777,
0.2815

■ 18.2431, 0.4410,
0.4687

■ 30.8158, 0.2672,
0.2667

■ 17.5804, 0.4507,
0.4734

■ 32.3224, 0.2577,
0.2531

■ 17.0931, 0.4573,
0.4751

■ 33.9085, 0.2492,
0.2407

■ 35.5758, 0.2416,
0.2293

Harmonies

Analogous

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



23.3467, 0.3612, 0.3609



23.3467, 0.3471, 0.3727



23.3467, 0.3240, 0.3725

Triad

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



23.3467, 0.3471, 0.3727



23.3467, 0.2659, 0.3132



23.3467, 0.3257, 0.3015

Complementary

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



23.3467, 0.3471, 0.3727



17.0931, 0.2774, 0.2811

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.



23.3467, 0.2999, 0.2895



23.3467, 0.3471, 0.3727



23.3467, 0.2662, 0.2952

Square

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



23.3467, 0.3471, 0.3727



23.3467, 0.2775, 0.3368



23.3467, 0.2784, 0.2870



23.3467, 0.3487, 0.3201

Rectangle

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



23.3467, 0.3471, 0.3727



23.3467, 0.3069, 0.3649



23.3467, 0.2784, 0.2870



23.3467, 0.3170, 0.2966

Sweetspot

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



23.3477, 0.3471, 0.3727



44.7488, 0.3232, 0.3426



17.4381, 0.3476, 0.3179



10.2884, 0.3239, 0.3436



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.



23.3477, 0.3471, 0.3727



40.8448, 0.3559, 0.3834



24.2727, 0.3342, 0.3844



5.6831, 0.3262, 0.3465



15.4497, 0.4571, 0.4753



0.1222, 0.4365, 0.4916

Inverse Universe

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



17.0931, 0.2774, 0.2811



27.4959, 0.2681, 0.2680



16.3967, 0.2878, 0.2711



5.0391, 0.2991, 0.3109



2.4078, 0.1562, 0.0823



0.0326, 0.1742, 0.1470

Previews

White Background



This preview shows how the Yxy color 23.3467, 0.3471, 0.3727 looks on a white background.

Color Contrast Check

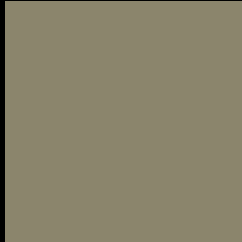
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3467, 0.3471, 0.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

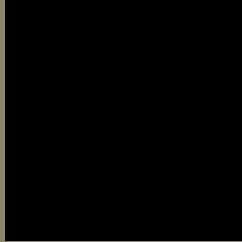
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

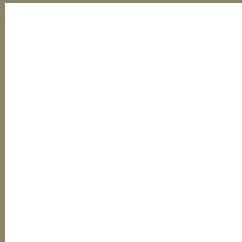
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3467, 0.3471, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 23.3467, 0.3471, 0.3727.



This preview shows how white text looks on a background with the Yxy color 23.3467, 0.3471, 0.3727.

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

23.3467, 0.3471, 0.3727

Protanopia

23.2480, 0.3499, 0.3707

Deuteranopia

23.4125, 0.3665, 0.3605



Tritanopia

23.4042, 0.3181, 0.3123

Trichromacy



Original Color

23.3467, 0.3471, 0.3727

Protanomaly

23.1607, 0.3487, 0.3709

Deuteranomaly

23.4590, 0.3594, 0.3644

Tritanomaly

23.2746, 0.3290, 0.3324

Monochromacy



Original Color

23.3467, 0.3471, 0.3727

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.0835, 0.3259, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3467, 0.3471, 0.3727 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(139, 133, 108)` looks like.

```
.text, #text, p{  
    color:rgb(139, 133, 108)  
}
```

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(139, 133, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 133, 108) }
```

Border

The CSS property to change the border of an element to Yxy 23.3467, 0.3471, 0.3727 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(139, 133, 108) }
```

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

```
.border{ border-color:rgb(139, 133, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 133, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 133, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 133, 108);  
box-shadow:4px 4px 4px 4px rgb(139, 133,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3467, 0.3471, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 133, 108) }
```

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

```
.background{ background-color: rgb(139,  
133, 108) }
```

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