

Converting Colors

$Y_{xy}(23.7898, 0.3849, 0.3487)$

Have a look what the booklet for
Yxy(23.7898, 0.3849, 0.3487)
contains.

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Color

Yxy(23.7486, 0.3853, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	A97B6F
RGB	169, 123, 111
RGB Percent	66%, 48%, 44%
CMY	0.3372, 0.5177, 0.5647
CMYK	0.00, 0.27, 0.34, 0.34
HSL	12°, 25%, 55%
HSV	12°, 34%, 66%
XYZ	26.3168, 23.7486, 18.2366
YIQ	135.3860, 31.2680, 6.0200

Conversions

Conversions Part 2

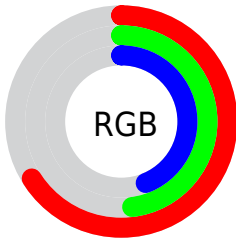
Format	Color
RYB	169, 126, 111
Decimal	11107183
CIELab	55.84, 16.25, 13.61
CIELCh	56, 21.198, 39.940
Yxy	23.7486, 0.3853, 0.3477
Android (android.graphics.Color)	4289297263 (0xFFA97B6F)
YUV	135.3860, -12.0223, 29.4795
Hunter-Lab	48.7325, 11.1124, 11.9253

Details

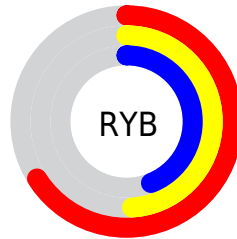
The Yxy color **23.7486, 0.3853, 0.3477** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.3657, 0.2625, 0.3093**, and the grayscale version is **24.4171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7026, 0.3685, 0.3444**, and **8.9013, 0.4135, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **20.3103, 0.4160, 0.3532**, and if you desaturate by 10%, it is **27.7151, 0.3593, 0.3420**.

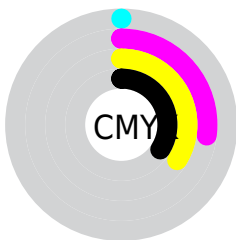
Distribution



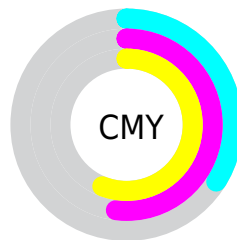
- Red (66%)
- Green (48%)
- Blue (44%)



- Red (66%)
- Yellow (49%)
- Blue (44%)



- Cyan (0%)
- Magenta (27%)
- Yellow (34%)
- Black (34%)




- Cyan (34%)
- Magenta (52%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7486, 0.3853, 0.3477 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 23.7486, 0.3853, 0.3477 by changing the saturation by 10% instead.


 23.7486, 0.3853,
0.3477


 23.7486, 0.3853,
0.3477


271.5470, 0.3446,
0.3383


 15.1472, 0.3972,
0.3499


 49.6196, 0.3693,
0.3444

 8.9228, 0.4136,
0.3525


 67.6581, 0.3637,
0.3431

 4.6909, 0.4378,
0.3555

 89.6111, 0.3591,
0.3420

 2.0670, 0.4761,
0.3580

 115.8629, 0.3552,
0.3411

 0.6460, 0.6128,
0.3872

146.7980, 0.3519,
0.3402

 0.0000, 0.0000,
0.0000

182.8008, 0.3491,

0.3395

224.2557, 0.3467,
0.3389

■ 23.7486, 0.3853,
0.3477

■ 23.7486, 0.3853,
0.3477

■ 20.3103, 0.4160,
0.3532

■ 27.7151, 0.3593,
0.3420

■ 17.3746, 0.4514,
0.3579

■ 32.2276, 0.3376,
0.3364

■ 14.9184, 0.4905,
0.3611


■ 37.3070, 0.3195,
0.3312


■ 12.9158, 0.5312,
0.3619


■ 42.9721, 0.3046,
0.3263

■ 11.3382, 0.5695,
0.3593


■ 49.2409, 0.2921,
0.3218


 10.1533, 0.6007,
0.3532

 56.1307, 0.2817,
0.3177

 9.6354, 0.6154,
0.3495

 63.6580, 0.2729,
0.3140

 71.8385, 0.2655,
0.3107

 80.1539, 0.2631,
0.3163

Harmonies

Analogous

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



23.7486, 0.3669, 0.3173



23.7486, 0.3853, 0.3477



23.7486, 0.3827, 0.3756

Triad

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



23.7486, 0.3853, 0.3477



23.7486, 0.2898, 0.3722



23.7486, 0.2645, 0.2687

Complementary

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



23.7486, 0.3853, 0.3477



30.3657, 0.2625, 0.3093

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.



23.7486, 0.2467, 0.2787



23.7486, 0.3853, 0.3477



23.7486, 0.2605, 0.3379

Square

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



23.7486, 0.3853, 0.3477



23.7486, 0.3264, 0.3930



23.7486, 0.2452, 0.3033



23.7486, 0.2957, 0.2734

Rectangle

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



23.7486, 0.3853, 0.3477



23.7486, 0.3698, 0.3890



23.7486, 0.2452, 0.3033



23.7486, 0.2569, 0.2703

Sweetspot

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



23.7497, 0.3853, 0.3477



61.3509, 0.3297, 0.3342



22.2547, 0.3302, 0.2608



13.1102, 0.3322, 0.3349



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.



23.7497, 0.3853, 0.3477



37.8745, 0.4076, 0.3518



31.9148, 0.3711, 0.3896



7.7843, 0.3281, 0.3337



7.2447, 0.6138, 0.3509



0.2445, 0.5558, 0.3968

Inverse Universe

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



30.3657, 0.2625, 0.3093



51.4660, 0.2528, 0.3043



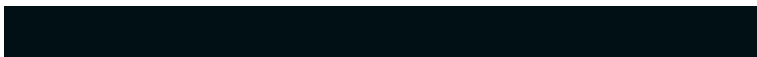
21.7896, 0.2562, 0.2597



8.2647, 0.2987, 0.3242



14.9325, 0.2062, 0.2624



0.4279, 0.2130, 0.2868

Previews

White Background



This preview shows how the Yxy color 23.7486, 0.3853, 0.3477 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 23.7486, 0.3853, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

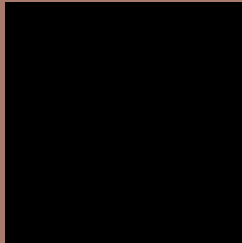
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7486, 0.3853, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 23.7486, 0.3853, 0.3477.



This preview shows how white text looks on a background with the Yxy color 23.7486, 0.3853, 0.3477.

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

23.7486, 0.3853, 0.3477

Protanopia

23.9739, 0.3403, 0.3600

Deuteranopia

23.7949, 0.3661, 0.3603



Tritanopia

23.6758, 0.3661, 0.3155

Trichromacy



Original Color

23.7486, 0.3853, 0.3477

Protanomaly

23.7595, 0.3561, 0.3557

Deuteranomaly

23.7781, 0.3733, 0.3564

Tritanomaly

23.6259, 0.3734, 0.3277

Monochromacy



Original Color

23.7486, 0.3853, 0.3477

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9420, 0.3370, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7486, 0.3853, 0.3477 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(169, 123, 111)` looks like.

```
.text, #text, p{  
    color:rgb(169, 123, 111)  
}
```

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(169, 123, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 123, 111) }
```

Border

The CSS property to change the border of an element to Yxy 23.7486, 0.3853, 0.3477 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(169, 123, 111) }
```

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

```
.border{ border-color:rgb(169, 123, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 123, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 123, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 123, 111);  
box-shadow:4px 4px 4px 4px rgb(169, 123,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7486, 0.3853, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 123, 111) }
```

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

```
.background{ background-color: rgb(169,  
123, 111) }
```

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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