

Converting Colors

$Y_{xy}(23.8519, 0.3960, 0.3692)$

Have a look what the booklet for
Yxy(23.8519, 0.3960, 0.3692)
contains.

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Color

Yxy(23.7836, 0.3966, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	A77D63
RGB	167, 125, 99
RGB Percent	65%, 49%, 39%
CMY	0.3451, 0.5098, 0.6118
CMYK	0.00, 0.25, 0.41, 0.35
HSL	23°, 28%, 52%
HSV	23°, 41%, 65%
XYZ	25.5210, 23.7836, 15.0449
YIQ	134.5940, 33.3780, 0.8180

Conversions

Conversions Part 2

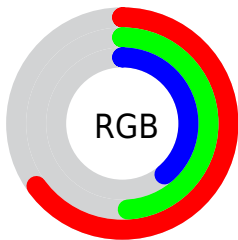
Format	Color
R_{YB}	167, 141, 99
Decimal	10976611
CIE Lab	55.87, 12.78, 20.52
CIE LCh	56, 24.174, 58.076
Yxy	23.7836, 0.3966, 0.3696
Android (android.graphics.Color)	4289166691 (0xFFA77D63)
YUV	134.5940, -17.5478, 28.4201
Hunter-Lab	48.7684, 8.0662, 15.8471

Details

The Yxy color **23.7836, 0.3966, 0.3696** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4831, 0.2508, 0.2838**, and the grayscale version is **24.1273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7308, 0.3777, 0.3622**, and **8.9275, 0.4282, 0.3817** is the 20% darker color. If you saturate the color by 10%, you get **21.0212, 0.4251, 0.3792**, and if you desaturate by 10%, it is **26.8853, 0.3713, 0.3594**.

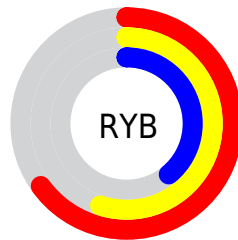
Distribution



Red (65%)

Green (49%)

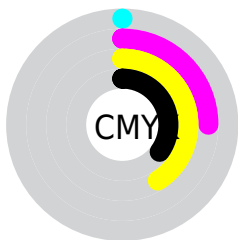
Blue (39%)



Red (65%)

Yellow (55%)

Blue (39%)

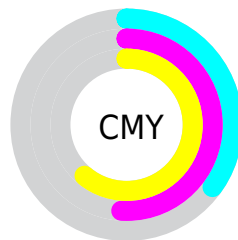


Cyan (0%)

Magenta (25%)

Yellow (41%)

Black (35%)



Cyan (35%)


Magenta (51%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7836, 0.3966, 0.3696 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 23.7836, 0.3966, 0.3696 by changing the saturation by 10% instead.


 23.7836, 0.3966,
0.3696


 23.7836, 0.3966,
0.3696


271.7246, 0.3498,
0.3485


 15.1732, 0.4101,
0.3749


 49.6768, 0.3783,
0.3618


 8.9410, 0.4284,
0.3815


 67.7284, 0.3718,
0.3589

 4.7027, 0.4548,
0.3897


 89.6959, 0.3665,
0.3565

 2.0739, 0.5021,
0.4045

 115.9636, 0.3621,
0.3544

 0.6499, 0.5894,
0.4106

146.9159, 0.3583,
0.3526

 0.0000, 0.0000,
0.0000

182.9372, 0.3550,

0.3511

224.4120, 0.3522,
0.3497

■ 23.7836, 0.3966,
0.3696

■ 23.7836, 0.3966,
0.3696

■ 21.0212, 0.4251,
0.3792

■ 26.8853, 0.3713,
0.3594

■ 18.5825, 0.4562,
0.3871

■ 30.3345, 0.3492,
0.3491

■ 16.4552, 0.4887,
0.3923

■ 34.1434, 0.3302,
0.3391

■ 14.6252, 0.5208,
0.3936

■ 38.3224, 0.3138,
0.3297

■ 13.0766, 0.5498,
0.3899

■ 42.8817, 0.2998,
0.3209

■ 11.8708, 0.5732,
0.3831

■ 47.8309, 0.2878,
0.3128

■ 53.1793, 0.2775,
0.3054

■ 58.9357, 0.2687,
0.2987

■ 65.1090, 0.2610,
0.2925

Harmonies

Analogous

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



23.7836, 0.3900, 0.3360



23.7836, 0.3966, 0.3696



23.7836, 0.3792, 0.3959

Triad

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



23.7836, 0.3966, 0.3696



23.7836, 0.2649, 0.3555



23.7836, 0.2778, 0.2623

Complementary

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



23.7836, 0.3966, 0.3696



24.4831, 0.2508, 0.2838

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.



23.7836, 0.2481, 0.2631



23.7836, 0.3966, 0.3696



23.7836, 0.2410, 0.3140

Square

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



23.7836, 0.3966, 0.3696



23.7836, 0.3024, 0.3907



23.7836, 0.2352, 0.2808



23.7836, 0.3188, 0.2767

Rectangle

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



23.7836, 0.3966, 0.3696



23.7836, 0.3573, 0.4046



23.7836, 0.2352, 0.2808



23.7836, 0.2663, 0.2607

Sweetspot

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



23.7847, 0.3966, 0.3696



60.0936, 0.3328, 0.3405



19.0901, 0.3495, 0.2639



13.2537, 0.3351, 0.3418



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.



23.7847, 0.3966, 0.3696



38.0427, 0.4225, 0.3784



33.5453, 0.3771, 0.4161



7.9953, 0.3276, 0.3377



9.1727, 0.5715, 0.3844



0.3224, 0.5113, 0.4322

Inverse Universe

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



24.4831, 0.2508, 0.2838



39.4409, 0.2378, 0.2715



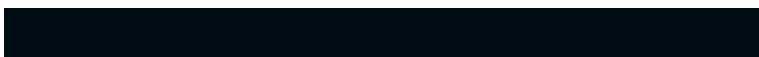
16.1772, 0.2414, 0.2234



8.0426, 0.2987, 0.3202



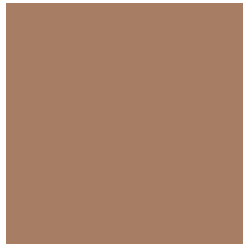
9.6699, 0.1891, 0.2009



0.3295, 0.2023, 0.2481

Previews

White Background



This preview shows how the Yxy color 23.7836, 0.3966, 0.3696 looks on a white background.

Color Contrast Check

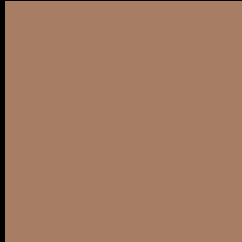
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7836, 0.3966, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

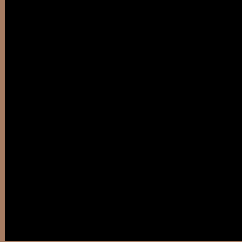
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7836, 0.3966, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 23.7836, 0.3966, 0.3696.



This preview shows how white text looks on a background with the Yxy color 23.7836, 0.3966, 0.3696.

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

23.7836, 0.3966, 0.3696

Protanopia

23.8691, 0.3572, 0.3823

Deuteranopia

23.9533, 0.3853, 0.3790



Tritanopia

23.8325, 0.3633, 0.3155

Trichromacy



Original Color

23.7836, 0.3966, 0.3696

Protanomaly

23.8673, 0.3708, 0.3772

Deuteranomaly

24.0016, 0.3897, 0.3768

Tritanomaly

23.6860, 0.3756, 0.3338

Monochromacy



Original Color

23.7836, 0.3966, 0.3696

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.8408, 0.3416, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7836, 0.3966, 0.3696 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(167, 125, 99)` looks like.

```
.text, #text, p{  
    color:rgb(167, 125, 99)  
}
```

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(167, 125, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 125, 99) }
```

Border

The CSS property to change the border of an element to Yxy 23.7836, 0.3966, 0.3696 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(167, 125, 99) }
```

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

```
.border{ border-color:rgb(167, 125, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 125, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 125, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 125, 99);  
box-shadow:4px 4px 4px 4px rgb(167, 125,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7836, 0.3966, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 125, 99) }
```

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

```
.background{ background-color: rgb(167,  
125, 99) }
```

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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