

Converting Colors

$Y_{xy}(22.9783, 0.3883, 0.3380)$

Have a look what the booklet for
Yxy(22.9783, 0.3883, 0.3380)
contains.

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Color

Yxy(23.0438, 0.3873, 0.3384)

Conversions

Conversions Part 1	
Format	Color
Hex	AB7771
RGB	171, 119, 113
RGB Percent	67%, 47%, 44%
CMY	0.3294, 0.5333, 0.5569
CMYK	0.00, 0.30, 0.34, 0.33
HSL	6°, 26%, 56%
HSV	6°, 34%, 67%
XYZ	26.3737, 23.0438, 18.6788
YIQ	133.8640, 32.9180, 9.1580

Conversions

Conversions Part 2

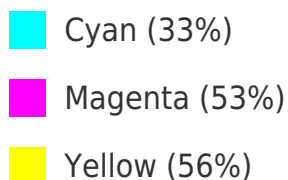
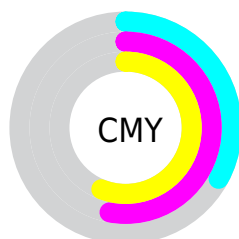
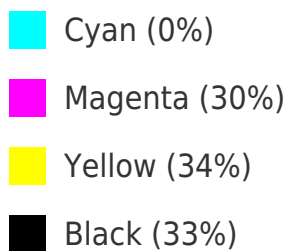
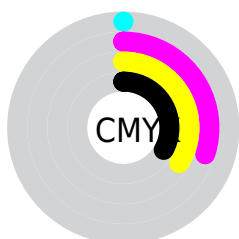
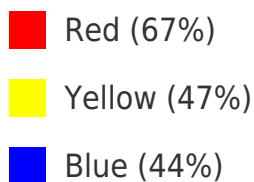
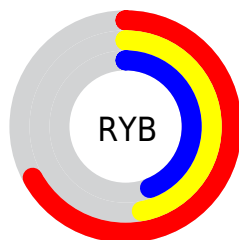
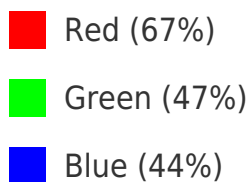
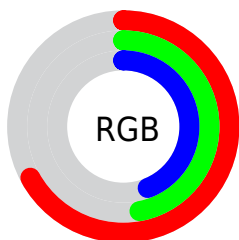
Format	Color
RYB	171, 120, 113
Decimal	11237233
CIELab	55.12, 19.58, 11.49
CIELCh	55, 22.703, 30.397
Yxy	23.0438, 0.3873, 0.3384
Android (android.graphics.Color)	4289427313 (0xFFAB7771)
YUV	133.8640, -10.2860, 32.5683
Hunter-Lab	48.0040, 14.0622, 10.5324

Details

The Yxy color $23.0438, 0.3873, 0.3384$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $33.3642, 0.2643, 0.3193$, and the grayscale version is $23.8176, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7156, 0.3707, 0.3373$, and $8.5439, 0.4172, 0.3401$ is the 20% darker color. If you saturate the color by 10%, you get $19.3358, 0.4203, 0.3412$, and if you desaturate by 10%, it is $27.4153, 0.3598, 0.3355$.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0438, 0.3873, 0.3384 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 23.0438, 0.3873, 0.3384 by changing the saturation by 10% instead.


 23.0438, 0.3873,
0.3384


 23.0438, 0.3873,
0.3384

267.9499, 0.3453,
0.3342


 14.6259, 0.3997,
0.3391


 48.4652, 0.3707,
0.3371

 8.5572, 0.4169,
0.3398


 66.2375, 0.3649,
0.3365

 4.4535, 0.4424,
0.3399


 87.8967, 0.3601,
0.3360

 1.9304, 0.4834,
0.3380

 113.8272, 0.3562,
0.3355

 0.5665, 0.6449,
0.3551


144.4133, 0.3528,
0.3351


 0.0000, 0.0000,
0.0000

180.0396, 0.3499,


0.3348


221.0903, 0.3474,
0.3345


 23.0438, 0.3873,
0.3384


 23.0438, 0.3873,
0.3384


 19.3358, 0.4203,
0.3412


 27.4153, 0.3598,
0.3355

 16.2556, 0.4589,
0.3435


 32.4770, 0.3373,
0.3327

 13.7695, 0.5020,
0.3449


 38.2583, 0.3190,
0.3300

 11.8389, 0.5463,
0.3448


 44.7857, 0.3040,
0.3275

 10.4210, 0.5869,
0.3428

 52.0845, 0.2917,
0.3253

 9.4664, 0.6175,
0.3389

 60.1788, 0.2816,
0.3233

 9.0822, 0.6312,
0.3370

 69.0917, 0.2733,
0.3214

 78.8453, 0.2664,
0.3198

 87.3993, 0.2657,
0.3289

Harmonies

Analogous

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



23.0438, 0.3610, 0.3065



23.0438, 0.3873, 0.3384



23.0438, 0.3918, 0.3701

Triad

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



23.0438, 0.3873, 0.3384



23.0438, 0.3000, 0.3854



23.0438, 0.2529, 0.2656

Complementary

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



23.0438, 0.3873, 0.3384



33.3642, 0.2643, 0.3193

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.



23.0438, 0.2392, 0.2814



23.0438, 0.3873, 0.3384



23.0438, 0.2650, 0.3512

Square

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



23.0438, 0.3873, 0.3384



23.0438, 0.3399, 0.4010



23.0438, 0.2433, 0.3121



23.0438, 0.2823, 0.2660

Rectangle

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



23.0438, 0.3873, 0.3384



23.0438, 0.3821, 0.3875



23.0438, 0.2433, 0.3121



23.0438, 0.2464, 0.2691

Sweetspot

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



23.0449, 0.3873, 0.3384



61.8832, 0.3300, 0.3316



23.1927, 0.3232, 0.2540



13.4929, 0.3326, 0.3320



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.0449, 0.3873, 0.3384



35.9871, 0.4126, 0.3406



30.9702, 0.3731, 0.3809



8.1438, 0.3284, 0.3314



6.8848, 0.6301, 0.3379



0.2331, 0.5941, 0.3664

Inverse Universe

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



33.3642, 0.2643, 0.3193



57.3880, 0.2548, 0.3167



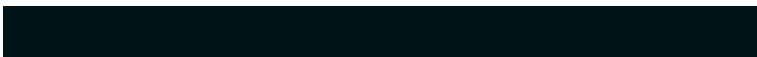
24.1163, 0.2581, 0.2707



8.9283, 0.2986, 0.3266



19.5108, 0.2158, 0.2967



0.5825, 0.2187, 0.3073

Previews

White Background



This preview shows how the Yxy color 23.0438, 0.3873, 0.3384 looks on a white background.

Color Contrast Check

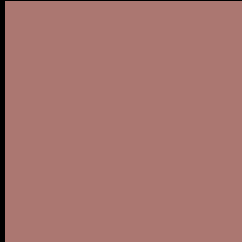
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0438, 0.3873, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

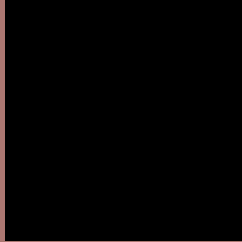
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0438, 0.3873, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 23.0438, 0.3873, 0.3384.



This preview shows how white text looks on a background with the Yxy color 23.0438, 0.3873, 0.3384.

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

23.0438, 0.3873, 0.3384

Protanopia

23.2619, 0.3328, 0.3499

Deuteranopia

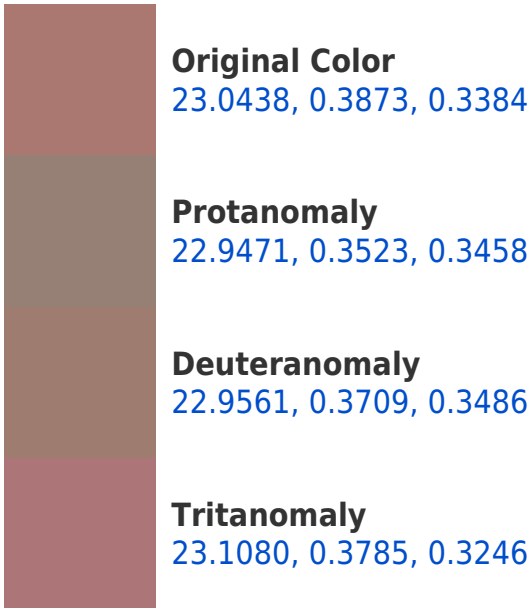
23.0018, 0.3620, 0.3558



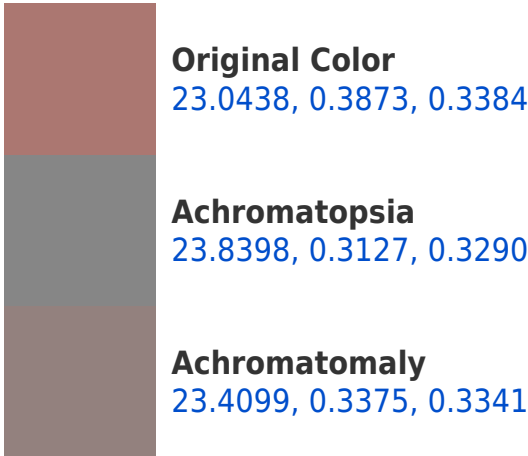
Tritanopia

22.9996, 0.3724, 0.3155

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0438, 0.3873, 0.3384 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(171, 119, 113) looks like.

```
.text, #text, p{  
    color:rgb(171, 119, 113)  
}
```

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(171, 119, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 119, 113) }
```

Border

The CSS property to change the border of an element to Yxy 23.0438, 0.3873, 0.3384 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(171, 119, 113) }
```

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

```
.border{ border-color:rgb(171, 119, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 119, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 119, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 119, 113);  
box-shadow:4px 4px 4px 4px rgb(171, 119,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0438, 0.3873, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 119, 113) }
```

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

```
.background{ background-color: rgb(171,  
119, 113) }
```

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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