

Converting Colors

$Y_{xy}(23.5633, 0.4116, 0.3304)$

Have a look what the booklet for
Yxy(23.5633, 0.4116, 0.3304)
contains.

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Color

Yxy(23.5449, 0.4119, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	BB7170
RGB	187, 113, 112
RGB Percent	73%, 44%, 44%
CMY	0.2666, 0.5569, 0.5608
CMYK	0.00, 0.40, 0.40, 0.27
HSL	1°, 36%, 59%
HSV	1°, 40%, 73%
XYZ	29.3261, 23.5449, 18.3261
YIQ	135.0120, 44.4250, 15.3770

Conversions

Conversions Part 2

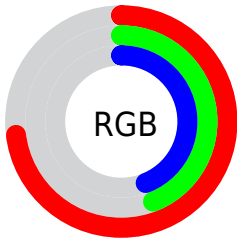
Format	Color
RYB	187, 113, 112
Decimal	12284272
CIELab	55.63, 29.12, 13.07
CIElCh	56, 31.918, 24.180
Yxy	23.5449, 0.4119, 0.3307
Android (android.graphics.Color)	4290474352 (0xFFBB7170)
YUV	135.0120, -11.3449, 45.5935
Hunter-Lab	48.5231, 22.9654, 11.5736

Details

The Yxy color **23.5449, 0.4119, 0.3307** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **42.1571, 0.2579, 0.3274**, and the grayscale version is **24.2641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3652, 0.3893, 0.3314**, and **8.7505, 0.4515, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **19.4650, 0.4514, 0.3311**, and if you desaturate by 10%, it is **28.5506, 0.3788, 0.3303**.

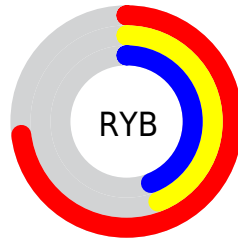
Distribution



Red (73%)

Green (44%)

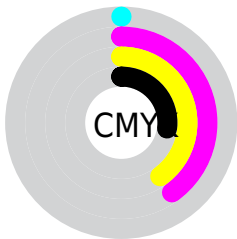
Blue (44%)



Red (73%)

Yellow (44%)

Blue (44%)

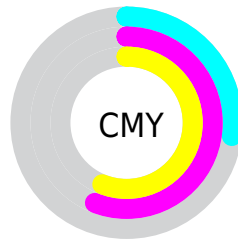


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (27%)



Cyan (27%)


Magenta (56%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5449, 0.4119, 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 23.5449, 0.4119, 0.3307 by changing the saturation by 10% instead.


 23.5449, 0.4119,
0.3307


 23.5449, 0.4119,
0.3307

270.5115, 0.3562,
0.3314


 14.9964, 0.4282,
0.3297


 49.2865, 0.3900,
0.3315

 8.8168, 0.4506,
0.3278


 67.2484, 0.3823,
0.3316

 4.6219, 0.4833,
0.3238

 89.1168, 0.3760,
0.3316

 2.0272, 0.5347,
0.3147

 115.2763, 0.3707,
0.3316

 0.6232, 0.6908,
0.3092

146.1110, 0.3662,
0.3316

 0.0000, 1.0000,
0.0000

182.0056, 0.3624,

 0.0000, 0.0000,

0.3315


0.0000


223.3443, 0.3591,
0.3315

 23.5449, 0.4119,
0.3307


 23.5449, 0.4119,
0.3307


 19.4650, 0.4514,
0.3311


 28.5506, 0.3788,
0.3303


 16.2510, 0.4965,
0.3314


 34.5304, 0.3519,
0.3298

 13.8414, 0.5438,
0.3316

 41.5332, 0.3303,
0.3294


 12.1652, 0.5875,
0.3314


 49.6037, 0.3129,
0.3290

 11.1390, 0.6202,
0.3310

 58.7841, 0.2990,
0.3287

 10.6212, 0.6391,
0.3307

 69.1141, 0.2877,
0.3284

 80.6315, 0.2786,
0.3281

 89.3070, 0.2736,
0.3289

Harmonies

Analogous

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



23.5449, 0.3694, 0.2897



23.5449, 0.4119, 0.3307



23.5449, 0.4244, 0.3743

Triad

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



23.5449, 0.4119, 0.3307



23.5449, 0.3050, 0.4172



23.5449, 0.2255, 0.2449

Complementary

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



23.5449, 0.4119, 0.3307



42.1571, 0.2579, 0.3274

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.



23.5449, 0.2122, 0.2692



23.5449, 0.4119, 0.3307



23.5449, 0.2550, 0.3715

Square

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



23.5449, 0.4119, 0.3307



23.5449, 0.3597, 0.4309



23.5449, 0.2221, 0.3146



23.5449, 0.2606, 0.2421

Rectangle

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



23.5449, 0.4119, 0.3307



23.5449, 0.4141, 0.4008



23.5449, 0.2221, 0.3146



23.5449, 0.2185, 0.2505

Sweetspot

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



23.5461, 0.4119, 0.3307



71.6097, 0.3344, 0.3295



25.7426, 0.3173, 0.2316



15.3961, 0.3371, 0.3295



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.5461, 0.4119, 0.3307



35.7414, 0.4458, 0.3311



33.3919, 0.3909, 0.3811



9.5562, 0.3288, 0.3294



7.3251, 0.6389, 0.3309



0.2940, 0.6344, 0.3345

Inverse Universe

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



42.1571, 0.2579, 0.3274



73.5903, 0.2489, 0.3270



28.6882, 0.2490, 0.2698



10.7871, 0.2985, 0.3286



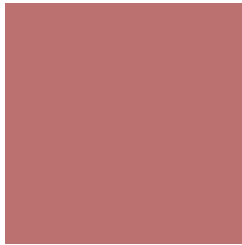
26.2450, 0.2235, 0.3247



1.0351, 0.2238, 0.3258

Previews

White Background



This preview shows how the Yxy color 23.5449, 0.4119, 0.3307 looks on a white background.

Color Contrast Check

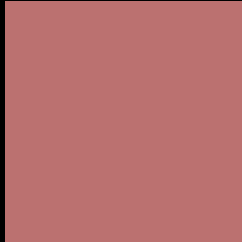
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5449, 0.4119, 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 23.5449, 0.4119, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 23.5449, 0.4119, 0.3307.



This preview shows how white text looks on a background with the Yxy color 23.5449, 0.4119, 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

23.5449, 0.4119, 0.3307

Protanopia

23.6692, 0.3315, 0.3480

Deuteranopia

23.5110, 0.3678, 0.3603



Tritanopia

23.6358, 0.4027, 0.3181

Trichromacy



Original Color

23.5449, 0.4119, 0.3307

Protanomaly

23.2976, 0.3590, 0.3422

Deuteranomaly

23.5072, 0.3840, 0.3495

Tritanomaly

23.5641, 0.4068, 0.3223

Monochromacy



Original Color

23.5449, 0.4119, 0.3307

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5811, 0.3454, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5449, 0.4119, 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(187, 113, 112)` looks like.

```
.text, #text, p{  
    color:rgb(187, 113, 112)  
}
```

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(187, 113, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 113, 112) }
```

Border

The CSS property to change the border of an element to Yxy 23.5449, 0.4119, 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(187, 113, 112) }
```

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

```
.border{ border-color:rgb(187, 113, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 113, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 113, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 113, 112);  
box-shadow:4px 4px 4px 4px rgb(187, 113,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5449, 0.4119, 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(187, 113, 112) }
```

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

```
.background{ background-color: rgb(187,  
113, 112) }
```

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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