

Converting Colors

$Y_{xy}(24.4875, 0.3984, 0.3187)$

Have a look what the booklet for
Yxy(24.4875, 0.3984, 0.3187)
contains.

| | |
|---|----|
| Yxy(24.5103, 0.3983, 0.3181) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(24.5103, 0.3983, 0.3181)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | BD737B |
| RGB | 189, 115, 123 |
| RGB Percent | 74%, 45%, 48% |
| CMY | 0.2589, 0.5490, 0.5176 |
| CMYK | 0.00, 0.39, 0.35, 0.26 |
| HSL | 354°, 36%, 60% |
| HSV | 354°, 39%, 74% |
| XYZ | 30.6899, 24.5103, 21.8520 |
| YIQ | 138.0380, 41.5360, 18.1760 |

Conversions

Conversions Part 2

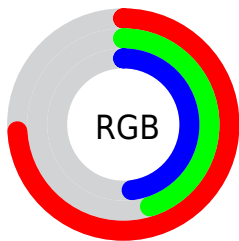
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 189, 115, 123 |
| Decimal | 12415867 |
| CIE _{Lab} | 56.60, 30.11, 8.07 |
| CIE _{LCh} | 57, 31.174, 15.000 |
| Yxy | 24.5103, 0.3983, 0.3181 |
| Android (android.graphics.Color) | 4290605947 (0xFFBD737B) |
| YUV | 138.0380, -7.4137, 44.6937 |
| Hunter-Lab | 49.5079, 24.0132, 8.4858 |

Details

The Yxy color **24.5103, 0.3983, 0.3181** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **43.3719, 0.2640, 0.3407**, and the grayscale version is **25.4487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8746, 0.3799, 0.3216**, and **9.2616, 0.4316, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **20.2472, 0.4331, 0.3156**, and if you desaturate by 10%, it is **29.7320, 0.3694, 0.3209**.

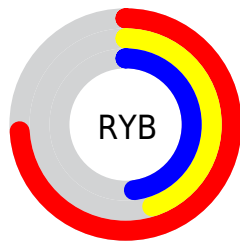
Distribution



Red (74%)

Green (45%)

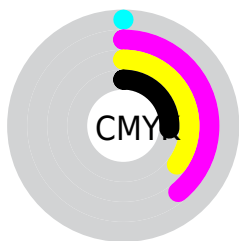
Blue (48%)



Red (74%)

Yellow (45%)

Blue (48%)

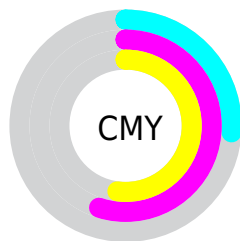


Cyan (0%)

Magenta (39%)

Yellow (35%)

Black (26%)



Cyan (26%)


Magenta (55%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5103, 0.3983, 0.3181 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 24.5103, 0.3983, 0.3181 by changing the saturation by 10% instead.


 24.5103, 0.3983,
0.3181


 24.5103, 0.3983,
0.3181


275.3903, 0.3506,
0.3251


 15.7126, 0.4121,
0.3157


 50.8617, 0.3796,
0.3211

 9.3210, 0.4311,
0.3120


 69.1841, 0.3730,
0.3221

 4.9512, 0.4588,
0.3061

 91.4503, 0.3676,
0.3229

 2.2186, 0.5027,
0.2953

118.0445, 0.3631,
0.3235

 0.7301, 0.6212,
0.2878

149.3512, 0.3592,
0.3240

 0.0000, 1.0000,
0.0000

185.7549, 0.3560,

 0.0000, 0.0000,

0.3244

0.0000

227.6398, 0.3531,
0.3248

■ 24.5103, 0.3983,
0.3181

■ 24.5103, 0.3983,
0.3181

■ 20.2472, 0.4331,
0.3156

■ 29.7320, 0.3694,
0.3209

■ 16.8811, 0.4736,
0.3139

■ 35.9620, 0.3458,
0.3238

■ 14.3488, 0.5177,
0.3135


■ 43.2508, 0.3268,
0.3266


■ 12.5772, 0.5616,
0.3149


■ 51.6443, 0.3115,
0.3292

■ 11.4806, 0.5992,
0.3184


■ 61.1860, 0.2992,
0.3316

 10.9098, 0.6256,
0.3228

 71.9169, 0.2892,
0.3338

 10.8693, 0.6275,
0.3230

 83.8758, 0.2811,
0.3358

 89.5573, 0.2747,
0.3289

Harmonies

Analogous

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



24.5103, 0.3512, 0.2805



24.5103, 0.3983, 0.3181



24.5103, 0.4202, 0.3604

Triad

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



24.5103, 0.3983, 0.3181



24.5103, 0.3218, 0.4215



24.5103, 0.2221, 0.2527

Complementary

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



24.5103, 0.3983, 0.3181



43.3719, 0.2640, 0.3407

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.



24.5103, 0.2160, 0.2829



24.5103, 0.3983, 0.3181



24.5103, 0.2706, 0.3856

Square

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



24.5103, 0.3983, 0.3181



24.5103, 0.3731, 0.4245



24.5103, 0.2327, 0.3317



24.5103, 0.2499, 0.2436

Rectangle

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



24.5103, 0.3983, 0.3181



24.5103, 0.4168, 0.3874



24.5103, 0.2327, 0.3317



24.5103, 0.2175, 0.2604

Sweetspot

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



24.5115, 0.3983, 0.3181



73.2868, 0.3322, 0.3258



25.6840, 0.3078, 0.2310



15.3878, 0.3346, 0.3254



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.



24.5115, 0.3983, 0.3181



37.2318, 0.4279, 0.3159



31.8114, 0.3933, 0.3684



9.5527, 0.3272, 0.3266



7.3199, 0.6255, 0.3219



0.2924, 0.5800, 0.2969

Inverse Universe

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



24.5115, 0.3983, 0.3181



37.2318, 0.4279, 0.3159



32.6800, 0.2526, 0.2853



9.5527, 0.3272, 0.3266



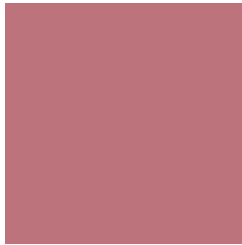
7.3199, 0.6255, 0.3219



0.2924, 0.5800, 0.2969

Previews

White Background



This preview shows how the Yxy color 24.5103, 0.3983, 0.3181 looks on a white background.

Color Contrast Check

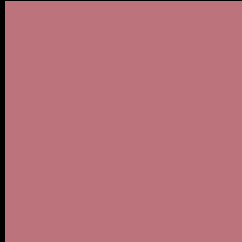
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5103, 0.3983, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

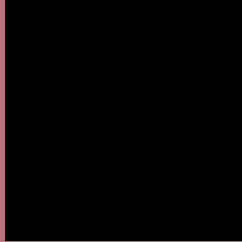
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5103, 0.3983, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 24.5103, 0.3983, 0.3181.



This preview shows how white text looks on a background with the Yxy color 24.5103, 0.3983, 0.3181.

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

24.5103, 0.3983, 0.3181

Protanopia

24.8185, 0.3181, 0.3324

Deuteranopia

24.5572, 0.3536, 0.3470



Tritanopia

24.5103, 0.3983, 0.3181

Trichromacy



Original Color

24.5103, 0.3983, 0.3181

Protanomaly

24.2181, 0.3452, 0.3259

Deuteranomaly

24.2632, 0.3693, 0.3354

Tritanomaly

24.5103, 0.3983, 0.3181

Monochromacy



Original Color

24.5103, 0.3983, 0.3181

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.8268, 0.3412, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5103, 0.3983, 0.3181 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(189, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(189, 115, 123)  
}
```

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(189, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 115, 123) }
```

Border

The CSS property to change the border of an element to Yxy 24.5103, 0.3983, 0.3181 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(189, 115, 123) }
```

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

```
.border{ border-color:rgb(189, 115, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(189, 115,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5103, 0.3983, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 115, 123) }
```

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

```
.background{ background-color: rgb(189,  
115, 123) }
```

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