

Converting Colors

$Y_{xy}(23.6518, 0.3812, 0.3208)$

Have a look what the booklet for
Yxy(23.6518, 0.3812, 0.3208)
contains.

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Color

Yxy(23.7340, 0.3822, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	B1767B
RGB	177, 118, 123
RGB Percent	69%, 46%, 48%
CMY	0.3058, 0.5373, 0.5177
CMYK	0.00, 0.33, 0.31, 0.31
HSL	355°, 27%, 58%
HSV	355°, 33%, 69%
XYZ	28.1887, 23.7340, 21.8311
YIQ	136.2110, 33.5590, 14.0630

Conversions

Conversions Part 2

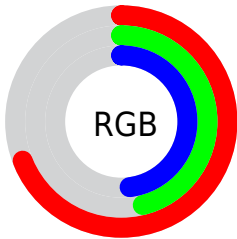
Format	Color
R_{YB}	177, 118, 123
Decimal	11630203
CIE _{Lab}	55.82, 23.87, 6.77
CIE _{LCh}	56, 24.809, 15.836
Yxy	23.7340, 0.3822, 0.3218
Android (android.graphics.Color)	4289820283 (0xFFB1767B)
YUV	136.2110, -6.5130, 35.7720
Hunter-Lab	48.7176, 18.0272, 7.5334

Details

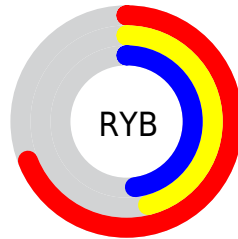
The Yxy color **23.7340, 0.3822, 0.3218** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **38.2848, 0.2694, 0.3366**, and the grayscale version is **24.7197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7134, 0.3672, 0.3246**, and **8.9616, 0.4105, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **19.5773, 0.4142, 0.3197**, and if you desaturate by 10%, it is **28.7425, 0.3560, 0.3240**.

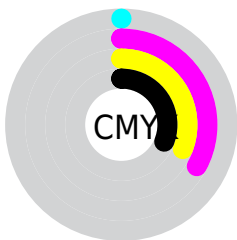
Distribution



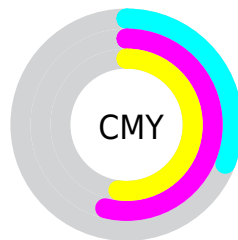
- Red (69%)
- Green (46%)
- Blue (48%)



- Red (69%)
- Yellow (46%)
- Blue (48%)



- Cyan (0%)
- Magenta (33%)
- Yellow (31%)
- Black (31%)




- Cyan (31%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7340, 0.3822, 0.3218 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 23.7340, 0.3822, 0.3218 by changing the saturation by 10% instead.


 23.7340, 0.3822,
0.3218


 23.7340, 0.3822,
0.3218

271.4729, 0.3433,
0.3265


 15.1364, 0.3936,
0.3201


 49.5958, 0.3669,
0.3238

 8.9152, 0.4094,
0.3176

 67.6288, 0.3615,
0.3245

 4.6859, 0.4326,
0.3135

 89.5757, 0.3571,
0.3250

 2.0642, 0.4701,
0.3057

115.8209, 0.3534,
0.3254

 0.6444, 0.5883,
0.3040

146.7488, 0.3503,
0.3258

 0.0000, 1.0000,
0.0000

182.7439, 0.3476,

 0.0000, 0.0000,

0.3260

0.0000

224.1905, 0.3453,
0.3263

■ 23.7340, 0.3822,
0.3218

■ 23.7340, 0.3822,
0.3218

■ 19.5773, 0.4142,
0.3197

■ 28.7425, 0.3560,
0.3240

■ 16.2219, 0.4523,
0.3180

■ 34.6430, 0.3347,
0.3262

■ 13.6171, 0.4953,
0.3171


■ 41.4772, 0.3177,
0.3283


■ 11.7050, 0.5405,
0.3175


■ 49.2831, 0.3039,
0.3303


■ 10.4195, 0.5826,
0.3194

■ 58.0966, 0.2928,
0.3320


 9.6812, 0.6152,
0.3228

 67.9519, 0.2838,
0.3336

 9.3845, 0.6303,
0.3246

 78.8815, 0.2764,
0.3351

 87.9377, 0.2697,
0.3314

 88.0900, 0.2686,
0.3289

Harmonies

Analogous

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



23.7340, 0.3452, 0.2901



23.7340, 0.3822, 0.3218



23.7340, 0.3992, 0.3568

Triad

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



23.7340, 0.3822, 0.3218



23.7340, 0.3197, 0.4017



23.7340, 0.2388, 0.2666

Complementary

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



23.7340, 0.3822, 0.3218



38.2848, 0.2694, 0.3366

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.



23.7340, 0.2333, 0.2916



23.7340, 0.3822, 0.3218



23.7340, 0.2780, 0.3728

Square

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



23.7340, 0.3822, 0.3218



23.7340, 0.3612, 0.4061



23.7340, 0.2470, 0.3306



23.7340, 0.2626, 0.2589

Rectangle

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



23.7340, 0.3822, 0.3218



23.7340, 0.3964, 0.3786



23.7340, 0.2470, 0.3306



23.7340, 0.2349, 0.2731

Sweetspot

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



23.7351, 0.3822, 0.3218



65.7267, 0.3289, 0.3269



24.8022, 0.3099, 0.2461



13.8936, 0.3314, 0.3266



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.7351, 0.3822, 0.3218



36.8903, 0.4051, 0.3202



29.8868, 0.3775, 0.3637



8.5166, 0.3274, 0.3271



6.8012, 0.6288, 0.3238



0.2178, 0.5867, 0.3006

Inverse Universe

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



23.7351, 0.3822, 0.3218



36.8903, 0.4051, 0.3202



29.9440, 0.2614, 0.2913



8.5166, 0.3274, 0.3271



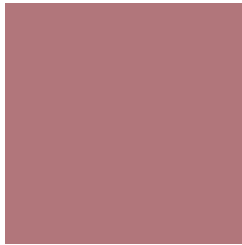
6.8012, 0.6288, 0.3238



0.2178, 0.5867, 0.3006

Previews

White Background



This preview shows how the Yxy color 23.7340, 0.3822, 0.3218 looks on a white background.

Color Contrast Check

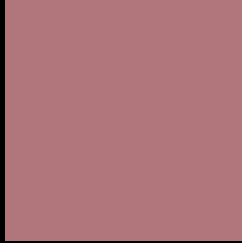
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7340, 0.3822, 0.3218 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 23.7340, 0.3822, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 23.7340, 0.3822, 0.3218.



This preview shows how white text looks on a background with the Yxy color 23.7340, 0.3822, 0.3218.

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

23.7340, 0.3822, 0.3218

Protanopia

24.0073, 0.3193, 0.3342

Deuteranopia

23.7564, 0.3494, 0.3423



Tritanopia

23.5760, 0.3786, 0.3159

Trichromacy



Original Color

23.7340, 0.3822, 0.3218

Protanomaly

23.6723, 0.3415, 0.3291

Deuteranomaly

23.6494, 0.3607, 0.3339

Tritanomaly

23.5504, 0.3799, 0.3174

Monochromacy



Original Color

23.7340, 0.3822, 0.3218

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.9185, 0.3366, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7340, 0.3822, 0.3218 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(177, 118, 123)` looks like.

```
.text, #text, p{  
    color:rgb(177, 118, 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(177, 118, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 118, 123) }
```

Border

The CSS property to change the border of an element to Yxy 23.7340, 0.3822, 0.3218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

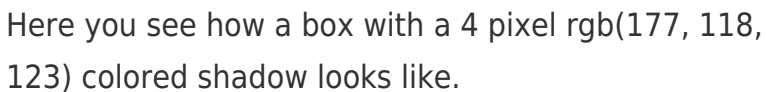
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 118, 123) }
```

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

```
.border{ border-color:rgb(177, 118, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 118, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 118, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 118, 123); box-shadow:4px 4px 4px 4px rgb(177, 118, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7340, 0.3822, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 118, 123) }
```

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

```
.background{ background-color: rgb(177,  
118, 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](#).

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