

Converting Colors

$Y_{xy}(23.4869, 0.3708, 0.3225)$

Have a look what the booklet for
Yxy(23.4869, 0.3708, 0.3225)
contains.

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Color

Yxy(23.4342, 0.3713, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	AA787C
RGB	170, 120, 124
RGB Percent	67%, 47%, 49%
CMY	0.3334, 0.5294, 0.5138
CMYK	0.00, 0.29, 0.27, 0.33
HSL	355°, 23%, 57%
HSV	355°, 29%, 67%
XYZ	26.9301, 23.4342, 22.1649
YIQ	135.4060, 28.5160, 11.8440

Conversions

Conversions Part 2

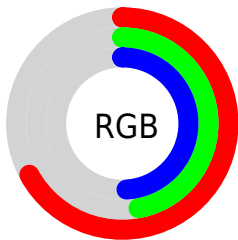
Format	Color
R _Y B	170, 120, 124
Decimal	11171964
CIE Lab	55.52, 20.14, 5.65
CIE LCh	56, 20.916, 15.680
Yxy	23.4342, 0.3713, 0.3231
Android (android.graphics.Color)	4289362044 (0xFFAA787C)
YUV	135.4060, -5.6232, 30.3389
Hunter-Lab	48.4089, 14.5849, 6.7392

Details

The Yxy color **23.4342, 0.3713, 0.3231** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **35.4955, 0.2739, 0.3351**, and the grayscale version is **24.4007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1905, 0.3585, 0.3257**, and **8.7964, 0.3958, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **19.3376, 0.4010, 0.3211**, and if you desaturate by 10%, it is **28.3217, 0.3471, 0.3252**.

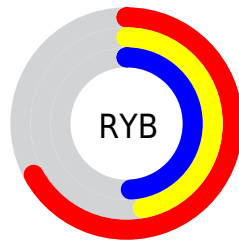
Distribution



Red (67%)

Green (47%)

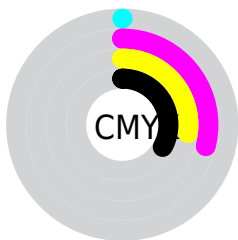
Blue (49%)



Red (67%)

Yellow (47%)

Blue (49%)

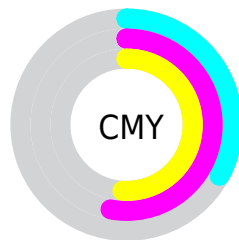


Cyan (0%)

Magenta (29%)

Yellow (27%)

Black (33%)



Cyan (33%)


Magenta (53%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4342, 0.3713, 0.3231 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 23.4342, 0.3713, 0.3231 by changing the saturation by 10% instead.


 23.4342, 0.3713,
0.3231

 23.4342, 0.3713,
0.3231


269.9474, 0.3384,
0.3269


 14.9144, 0.3809,
0.3218


 49.1053, 0.3584,
0.3247

 8.7594, 0.3944,
0.3198


 67.0254, 0.3538,
0.3253

 4.5846, 0.4142,
0.3165

 88.8478, 0.3501,
0.3257

 2.0056, 0.4466,
0.3104

114.9569, 0.3470,
0.3260

 0.6107, 0.5540,
0.3094

145.7369, 0.3444,
0.3263

 0.0000, 1.0000,
0.0000


181.5725, 0.3421,


 0.0000, 0.0000,

0.3265


0.0000


222.8478, 0.3402,
0.3267


 23.4342, 0.3713,
0.3231


 23.4342, 0.3713,
0.3231


 19.3376, 0.4010,
0.3211


 28.3217, 0.3471,
0.3252


 15.9873, 0.4367,
0.3193


 34.0353, 0.3276,
0.3272


 13.3393, 0.4781,
0.3181

 40.6117, 0.3119,
0.3291

 11.3435, 0.5230,
0.3180

 48.0848, 0.2992,
0.3309

 9.9434, 0.5670,
0.3192

 56.4864, 0.2889,
0.3324

■ 9.0726, 0.6041,
0.3219

■ 65.8468, 0.2806,
0.3339

■ 8.6004, 0.6295,
0.3248

■ 76.1952, 0.2737,
0.3352

■ 8.5759, 0.6307,
0.3248

■ 86.9161, 0.2679,
0.3352

■ 87.2855, 0.2652,
0.3289

Harmonies

Analogous

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



23.4342, 0.3402, 0.2957



23.4342, 0.3713, 0.3231



23.4342, 0.3858, 0.3533

Triad

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



23.4342, 0.3713, 0.3231



23.4342, 0.3192, 0.3900



23.4342, 0.2494, 0.2761

Complementary

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



23.4342, 0.3713, 0.3231



35.4955, 0.2739, 0.3351

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.



23.4342, 0.2447, 0.2979



23.4342, 0.3713, 0.3231



23.4342, 0.2836, 0.3660

Square

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



23.4342, 0.3713, 0.3231



23.4342, 0.3544, 0.3942



23.4342, 0.2568, 0.3309



23.4342, 0.2700, 0.2690

Rectangle

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



23.4342, 0.3713, 0.3231



23.4342, 0.3837, 0.3717



23.4342, 0.2568, 0.3309



23.4342, 0.2460, 0.2818

Sweetspot

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



23.4353, 0.3713, 0.3231



62.0265, 0.3272, 0.3273



24.4258, 0.3114, 0.2564



13.4814, 0.3297, 0.3270



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.



23.4353, 0.3713, 0.3231



37.7277, 0.3891, 0.3218



28.9034, 0.3676, 0.3605



7.5516, 0.3274, 0.3272



6.3125, 0.6292, 0.3240



0.1565, 0.5846, 0.2994

Inverse Universe

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



23.4353, 0.3713, 0.3231



37.7277, 0.3891, 0.3218



28.4438, 0.2674, 0.2951



7.5516, 0.3274, 0.3272



6.3125, 0.6292, 0.3240



0.1565, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 23.4342, 0.3713, 0.3231 looks on a white background.

Color Contrast Check

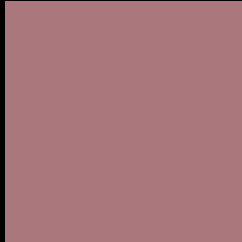
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4342, 0.3713, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

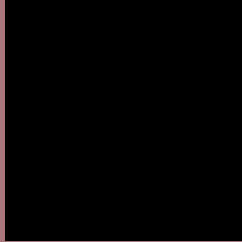
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4342, 0.3713, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 23.4342, 0.3713, 0.3231.



This preview shows how white text looks on a background with the Yxy color 23.4342, 0.3713, 0.3231.

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

23.4342, 0.3713, 0.3231

Protanopia

23.6480, 0.3183, 0.3325

Deuteranopia

23.5897, 0.3458, 0.3407



Tritanopia

23.2982, 0.3665, 0.3154

Trichromacy



Original Color

23.4342, 0.3713, 0.3231

Protanomaly

23.2928, 0.3366, 0.3291

Deuteranomaly

23.5199, 0.3541, 0.3340

Tritanomaly

23.2720, 0.3678, 0.3170

Monochromacy



Original Color

23.4342, 0.3713, 0.3231

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.8999, 0.3328, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4342, 0.3713, 0.3231 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(170, 120, 124)` looks like.

```
.text, #text, p{  
    color:rgb(170, 120, 124)  
}
```

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(170, 120, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 124) }
```

Border

The CSS property to change the border of an element to Yxy 23.4342, 0.3713, 0.3231 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(170, 120, 124) }
```

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

```
.border{ border-color:rgb(170, 120, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 120, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 120, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 120, 124); box-shadow:4px 4px 4px 4px rgb(170, 120, 124) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4342, 0.3713, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 124) }
```

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

```
.background{ background-color: rgb(170,  
120, 124) }
```

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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