

Converting Colors

$Y_{xy}(23.4635, 0.3570, 0.3041)$

Have a look what the booklet for
Yxy(23.4635, 0.3570, 0.3041)
contains.

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Color

Yxy(23.4890, 0.3576, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	AA7787
RGB	170, 119, 135
RGB Percent	67%, 47%, 53%
CMY	0.3333, 0.5333, 0.4706
CMYK	0.00, 0.30, 0.21, 0.33
HSL	341°, 23%, 57%
HSV	341°, 30%, 67%
XYZ	27.5489, 23.4890, 26.0005
YIQ	136.0730, 25.2600, 15.7880

Conversions

Conversions Part 2

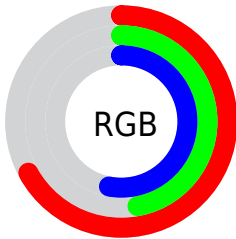
Format	Color
R_{YB}	170, 119, 135
Decimal	11171719
CIE _{Lab}	55.57, 22.39, -0.68
CIE _{LCh}	56, 22.405, 358.262
Yxy	23.4890, 0.3576, 0.3049
Android (android.graphics.Color)	4289361799 (0xFFAA7787)
YUV	136.0730, -0.5290, 29.7540
Hunter-Lab	48.4655, 16.6491, 2.1183

Details

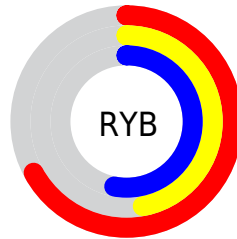
The Yxy color **23.4890, 0.3576, 0.3049** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **35.0095, 0.2819, 0.3547**, and the grayscale version is **24.6449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3046, 0.3478, 0.3107**, and **8.8181, 0.3761, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **19.4880, 0.3794, 0.2966**, and if you desaturate by 10%, it is **28.2521, 0.3396, 0.3133**.

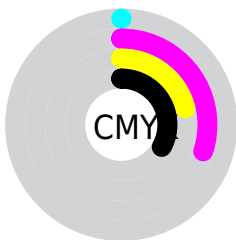
Distribution



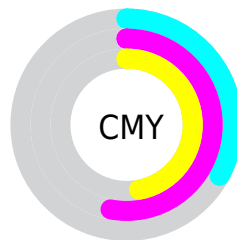
- Red (67%)
- Green (47%)
- Blue (53%)



- Red (67%)
- Yellow (47%)
- Blue (53%)



- Cyan (0%)
- Magenta (30%)
- Yellow (21%)
- Black (33%)





- Cyan (33%)
- Magenta (53%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4890, 0.3576, 0.3049 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 23.4890, 0.3576, 0.3049 by changing the saturation by 10% instead.


 23.4890, 0.3576,
0.3049


 23.4890, 0.3576,
0.3049


270.2267, 0.3326,
0.3183


 14.9550, 0.3648,
0.3010


 49.1950, 0.3478,
0.3101

 8.7878, 0.3749,
0.2957


 67.1358, 0.3444,
0.3120

 4.6030, 0.3896,
0.2879

 88.9810, 0.3416,
0.3135

 2.0163, 0.4134,
0.2754

115.1150, 0.3392,
0.3148

 0.6169, 0.4664,
0.2464

145.9222, 0.3372,
0.3158

 0.0000, 1.0000,
0.0000

181.7869, 0.3355,

 0.0000, 0.0000,

0.3168

0.0000

223.0937, 0.3340,
0.3176

■ 23.4890, 0.3576,
0.3049

■ 23.4890, 0.3576,
0.3049

■ 19.4880, 0.3794,
0.2966

■ 28.2521, 0.3396,
0.3133

■ 16.2061, 0.4053,
0.2889

■ 33.8108, 0.3248,
0.3214

■ 13.6009, 0.4353,
0.2826


■ 40.2007, 0.3127,
0.3290


■ 11.6243, 0.4688,
0.2789


■ 47.4541, 0.3028,
0.3361

■ 10.2218, 0.5041,
0.2789


■ 55.6018, 0.2947,
0.3426


 9.3293, 0.5386,
0.2834

 64.6728, 0.2881,
0.3485

 8.8072, 0.5699,
0.2913

 74.6950, 0.2826,
0.3539

 85.6889, 0.2780,
0.3589

 86.3606, 0.2723,
0.3455

Harmonies

Analogous

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



23.4890, 0.3187, 0.2802



23.4890, 0.3576, 0.3049



23.4890, 0.3846, 0.3360

Triad

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



23.4890, 0.3576, 0.3049



23.4890, 0.3421, 0.3998



23.4890, 0.2402, 0.2840

Complementary

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



23.4890, 0.3576, 0.3049



35.0095, 0.2819, 0.3547

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.



23.4890, 0.2456, 0.3151



23.4890, 0.3576, 0.3049



23.4890, 0.3030, 0.3860

Square

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



23.4890, 0.3576, 0.3049



23.4890, 0.3746, 0.3916



23.4890, 0.2680, 0.3535



23.4890, 0.2525, 0.2674

Rectangle

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



23.4890, 0.3576, 0.3049



23.4890, 0.3913, 0.3573



23.4890, 0.2680, 0.3535



23.4890, 0.2400, 0.2930

Sweetspot

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



23.4901, 0.3576, 0.3049



62.2534, 0.3237, 0.3220



22.9525, 0.2979, 0.2518



13.5389, 0.3256, 0.3209



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.



23.4901, 0.3576, 0.3049



37.6380, 0.3716, 0.2993



25.4097, 0.3741, 0.3435



7.5796, 0.3238, 0.3219



6.4867, 0.5671, 0.2897



0.1670, 0.4759, 0.2395

Inverse Universe

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



23.4901, 0.3576, 0.3049



37.6380, 0.3716, 0.2993



32.1956, 0.2687, 0.3140



7.5796, 0.3238, 0.3219



6.4867, 0.5671, 0.2897



0.1670, 0.4759, 0.2395

Previews

White Background



This preview shows how the Yxy color 23.4890, 0.3576, 0.3049 looks on a white background.

Color Contrast Check

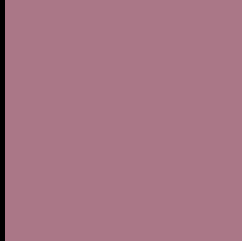
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4890, 0.3576, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

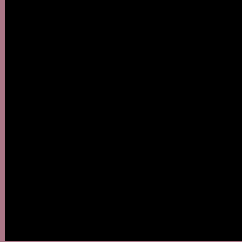
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4890, 0.3576, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 23.4890, 0.3576, 0.3049.



This preview shows how white text looks on a background with the Yxy color 23.4890, 0.3576, 0.3049.

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

23.4890, 0.3576, 0.3049

Protanopia

23.7448, 0.3024, 0.3119

Deuteranopia

23.5050, 0.3283, 0.3224



Tritanopia

23.4529, 0.3636, 0.3154

Trichromacy



Original Color

23.4890, 0.3576, 0.3049

Protanomaly

23.4428, 0.3207, 0.3093

Deuteranomaly

23.3570, 0.3388, 0.3146

Tritanomaly

23.5067, 0.3611, 0.3123

Monochromacy



Original Color

23.4890, 0.3576, 0.3049

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0387, 0.3272, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4890, 0.3576, 0.3049 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, 119, 135)` looks like.

```
.text, #text, p{  
    color:rgb(170, 119, 135)  
}
```

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, 119, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 119, 135) }
```

Border

The CSS property to change the border of an element to Yxy 23.4890, 0.3576, 0.3049 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, 119, 135) }
```

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

```
.border{ border-color:rgb(170, 119, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 119, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 119, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 119, 135);  
box-shadow:4px 4px 4px 4px rgb(170, 119,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4890, 0.3576, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 119, 135) }
```

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

```
.background{ background-color: rgb(170,  
119, 135) }
```

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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