

# Converting Colors

$Y_{xy}(25.2770, 0.3931, 0.3255)$

Have a look what the booklet for  
Yxy(25.2770, 0.3931, 0.3255)  
contains.

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**Color**

**Yxy(25.3021, 0.3923, 0.3250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA787B
RGB	186, 120, 123
RGB Percent	73%, 47%, 48%
CMY	0.2706, 0.5294, 0.5177
CMYK	0.00, 0.35, 0.34, 0.27
HSL	357°, 32%, 60%
HSV	357°, 35%, 73%
XYZ	30.5416, 25.3021, 22.0089
YIQ	140.0760, 38.3730, 14.9250

# Conversions

## Conversions Part 2

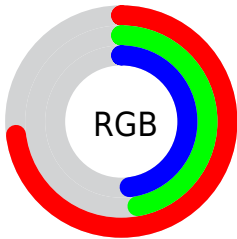
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">186, 120, 123</a>
Decimal	<a href="#">12220539</a>
CIELab	<a href="#">57.37, 26.22, 9.12</a>
CIELCh	<a href="#">57, 27.766, 19.180</a>
Yxy	<a href="#">25.3021, 0.3923, 0.3250</a>
Android (android.graphics.Color)	<a href="#">4290410619</a> ( <a href="#">0xFFBA787B</a> )
YUV	<a href="#">140.0760, -8.4185, 40.2753</a>
Hunter-Lab	<a href="#">50.3012, 20.3535, 9.2689</a>

# Details

The Yxy color **25.3021, 0.3923, 0.3250** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **42.5330, 0.2653, 0.3333**, and the grayscale version is **26.2792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2154, 0.3757, 0.3270**, and **9.7000, 0.4239, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **20.8502, 0.4274, 0.3240**, and if you desaturate by 10%, it is **30.7061, 0.3634, 0.3262**.

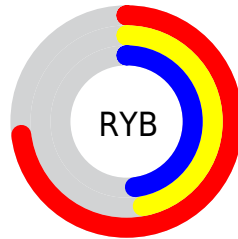
# Distribution



Red (73%)

Green (47%)

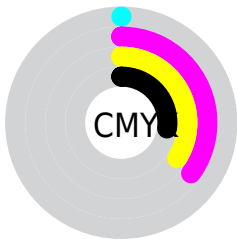
Blue (48%)



Red (73%)

Yellow (47%)

Blue (48%)

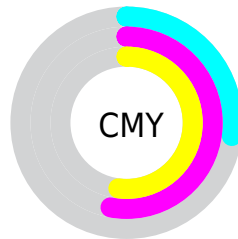


Cyan (0%)

Magenta (35%)

Yellow (34%)

Black (27%)



Cyan (27%)

Magenta (53%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3021, 0.3923, 0.3250 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 25.3021, 0.3923, 0.3250 by changing the saturation by 10% instead.





 25.3021, 0.3923,  
0.3250


 25.3021, 0.3923,  
0.3250


279.3391, 0.3481,  
0.3282


 16.3023, 0.4050,  
0.3237


 52.1469, 0.3750,  
0.3265

 9.7383, 0.4225,  
0.3215


 70.7607, 0.3689,  
0.3270

 5.2258, 0.4479,  
0.3178


 93.3478, 0.3639,  
0.3273

 2.3803, 0.4879,  
0.3106

120.2929, 0.3597,  
0.3276

 0.8157, 0.5934,  
0.3111

151.9801, 0.3561,  
0.3278

 0.0000, 1.0000,  
0.0000


188.7940, 0.3531,


 0.0000, 0.0000,

0.3279


0.0000


231.1188, 0.3504,  
0.3281


 25.3021, 0.3923,  
0.3250


 25.3021, 0.3923,  
0.3250


 20.8502, 0.4274,  
0.3240


 30.7061, 0.3634,  
0.3262


 17.2919, 0.4686,  
0.3232


 37.1091, 0.3401,  
0.3273

 14.5679, 0.5143,  
0.3230


 44.5592, 0.3214,  
0.3284


 12.6102, 0.5602,  
0.3236


 53.1003, 0.3063,  
0.3295


 11.3403, 0.6000,  
0.3250

 62.7739, 0.2942,  
0.3304

 10.6608, 0.6272,  
0.3271

 73.6193, 0.2844,  
0.3313

 10.4582, 0.6354,  
0.3274

 85.6739, 0.2765,  
0.3320

 89.1797, 0.2731,  
0.3289

# Harmonies

## Analogous

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



25.3021, 0.3534, 0.2901



25.3021, 0.3923, 0.3250



25.3021, 0.4079, 0.3630

# Triad

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



25.3021, 0.3923, 0.3250



25.3021, 0.3147, 0.4069



25.3021, 0.2343, 0.2591

# Complementary

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



25.3021, 0.3923, 0.3250



42.5330, 0.2653, 0.3333

# 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.



25.3021, 0.2260, 0.2839



25.3021, 0.3923, 0.3250



25.3021, 0.2701, 0.3725

# Square

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



25.3021, 0.3923, 0.3250



25.3021, 0.3608, 0.4144



25.3021, 0.2384, 0.3252



25.3021, 0.2620, 0.2531



# Rectangle

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



25.3021, 0.3923, 0.3250



25.3021, 0.4026, 0.3862



25.3021, 0.2384, 0.3252



25.3021, 0.2292, 0.2652

# Sweetspot

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



25.3033, 0.3923, 0.3250



72.8296, 0.3315, 0.3278



27.0103, 0.3132, 0.2414



15.6417, 0.3341, 0.3276



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.



25.3033, 0.3923, 0.3250



39.0991, 0.4207, 0.3241



33.5143, 0.3815, 0.3706



9.0186, 0.3281, 0.3280



7.0385, 0.6342, 0.3268



0.2504, 0.6116, 0.3143



# Inverse Universe

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



25.3033, 0.3923, 0.3250



39.0991, 0.4207, 0.3241



31.4179, 0.2572, 0.2831



9.0186, 0.3281, 0.3280



7.0385, 0.6342, 0.3268



0.2504, 0.6116, 0.3143



# Previews

## White Background



This preview shows how the Yxy color 25.3021, 0.3923, 0.3250 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 25.3021, 0.3923, 0.3250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

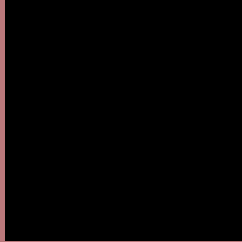
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.3021, 0.3923, 0.3250**

## Background



This preview shows how black text looks on a background with the Yxy color 25.3021, 0.3923, 0.3250.



This preview shows how white text looks on a background with the Yxy color 25.3021, 0.3923, 0.3250.

# 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

25.3021, 0.3923, 0.3250

### Protanopia

25.5937, 0.3234, 0.3391

### Deuteranopia

25.4246, 0.3554, 0.3483



## Tritanopia

25.1913, 0.3862, 0.3165

# Trichromacy



## Original Color

25.3021, 0.3923, 0.3250

## Protanomaly

25.0867, 0.3468, 0.3323

## Deuteranomaly

25.1683, 0.3681, 0.3384

## Tritanomaly

25.1391, 0.3888, 0.3193

# Monochromacy



## Original Color

25.3021, 0.3923, 0.3250

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

25.6644, 0.3394, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.3021, 0.3923, 0.3250 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(186, 120, 123)` looks like.

```
.text, #text, p{  
    color:rgb(186, 120, 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(186, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 120, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 25.3021, 0.3923, 0.3250 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(186, 120, 123) }
```

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

```
.border{ border-color:rgb(186, 120, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 120, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 120, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 120, 123);  
box-shadow:4px 4px 4px 4px rgb(186, 120,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.3021, 0.3923, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 120, 123) }
```

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

```
.background{ background-color: rgb(186,  
120, 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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