

# Converting Colors

$Y_{xy}(25.8158, 0.3976, 0.3335)$

Have a look what the booklet for  
Yxy(25.8158, 0.3976, 0.3335)  
contains.

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**Color**

**Yxy(25.8158, 0.3976, 0.3335)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB7A77
RGB	187, 122, 119
RGB Percent	73%, 48%, 47%
CMY	0.2668, 0.5215, 0.5333
CMYK	0.00, 0.35, 0.36, 0.27
HSL	3°, 33%, 60%
HSV	3°, 36%, 73%
XYZ	30.7777, 25.8158, 20.8152
YIQ	141.0930, 39.7030, 12.8470

# Conversions

## Conversions Part 2

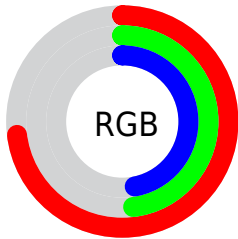
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 122, 119
Decimal	12286583
CIE <sub>Lab</sub>	57.86, 24.98, 12.13
CIE <sub>LCh</sub>	58, 27.771, 25.909
Yxy	25.8158, 0.3976, 0.3335
Android (android.graphics.Color)	4290476663 (0xFFBB7A77)
YUV	141.0930, -10.8918, 40.2604
Hunter-Lab	50.8093, 19.2102, 11.2769

# Details

The Yxy color **25.8158, 0.3976, 0.3335** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **41.7719, 0.2618, 0.3244**, and the grayscale version is **26.7072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0127, 0.3796, 0.3336**, and **9.9952, 0.4299, 0.3313** is the 20% darker color. If you saturate the color by 10%, you get **21.4184, 0.4339, 0.3347**, and if you desaturate by 10%, it is **31.1108, 0.3675, 0.3322**.

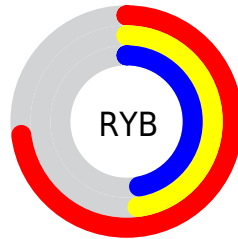
# Distribution



Red (73%)

Green (48%)

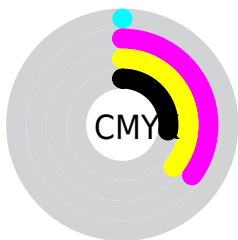
Blue (47%)



Red (73%)

Yellow (48%)

Blue (47%)

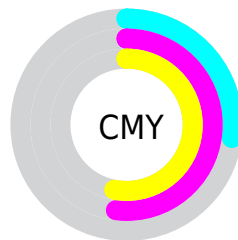


Cyan (0%)

Magenta (35%)

Yellow (36%)

Black (27%)



Cyan (27%)

Magenta (52%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8158, 0.3976, 0.3335 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 25.8158, 0.3976, 0.3335 by changing the saturation by 10% instead.





 25.8158, 0.3976,  
0.3335


 25.8158, 0.3976,  
0.3335


281.8767, 0.3505,  
0.3323


 16.6859, 0.4111,  
0.3333


 52.9776, 0.3793,  
0.3334

 10.0108, 0.4295,  
0.3326


 71.7784, 0.3728,  
0.3332

 5.4061, 0.4562,  
0.3307

 94.5715, 0.3674,  
0.3331

 2.4875, 0.4976,  
0.3259

121.7414, 0.3629,  
0.3329

 0.8703, 0.6209,  
0.3402

153.6724, 0.3591,  
0.3327

 0.0000, 1.0000,  
0.0000

190.7491, 0.3559,

 0.0000, 0.0000,

0.3326

0.0000

233.3557, 0.3530,  
0.3324

■ 25.8158, 0.3976,  
0.3335

■ 25.8158, 0.3976,  
0.3335

■ 21.4184, 0.4339,  
0.3347

■ 31.1108, 0.3675,  
0.3322

■ 17.8654, 0.4762,  
0.3356

■ 37.3454, 0.3430,  
0.3309

■ 15.1037, 0.5223,  
0.3360


■ 44.5633, 0.3232,  
0.3297


■ 13.0729, 0.5677,  
0.3357


■ 52.8046, 0.3073,  
0.3286


■ 11.7035, 0.6058,  
0.3344


■ 62.1068, 0.2944,  
0.3276

 10.9124, 0.6305,  
0.3325

 72.5059, 0.2839,  
0.3267

 10.7410, 0.6369,  
0.3325

 84.0360, 0.2754,  
0.3259

 89.3011, 0.2736,  
0.3289

# Harmonies

## Analogous

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



25.8158, 0.3632, 0.2975



25.8158, 0.3976, 0.3335



25.8158, 0.4069, 0.3709

# Triad

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



25.8158, 0.3976, 0.3335



25.8158, 0.3042, 0.4007



25.8158, 0.2393, 0.2565

# Complementary

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



25.8158, 0.3976, 0.3335



41.7719, 0.2618, 0.3244

# 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.



25.8158, 0.2266, 0.2771



25.8158, 0.3976, 0.3335



25.8158, 0.2619, 0.3620

# Square

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



25.8158, 0.3976, 0.3335



25.8158, 0.3508, 0.4147



25.8158, 0.2343, 0.3150



25.8158, 0.2708, 0.2547



# Rectangle

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



25.8158, 0.3976, 0.3335



25.8158, 0.3976, 0.3928



25.8158, 0.2343, 0.3150



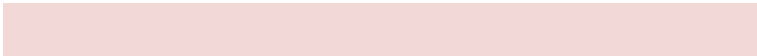
25.8158, 0.2328, 0.2613

# Sweetspot

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



25.8171, 0.3976, 0.3335



73.3733, 0.3322, 0.3303



27.2465, 0.3193, 0.2429



15.7734, 0.3349, 0.3305



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.



25.8171, 0.3976, 0.3335



39.5587, 0.4275, 0.3345



35.4203, 0.3809, 0.3792



9.6024, 0.3287, 0.3301



7.4314, 0.6362, 0.3330



0.3146, 0.6218, 0.3445



# Inverse Universe

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



41.7719, 0.2618, 0.3244



72.5037, 0.2523, 0.3232



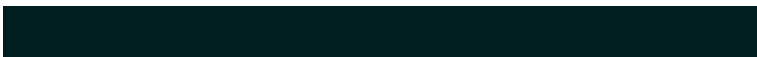
29.5531, 0.2546, 0.2726



10.7350, 0.2985, 0.3279



24.6341, 0.2209, 0.3153

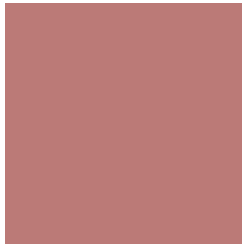


0.9875, 0.2219, 0.3187



# Previews

## White Background



This preview shows how the Yxy color 25.8158, 0.3976, 0.3335 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 25.8158, 0.3976, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

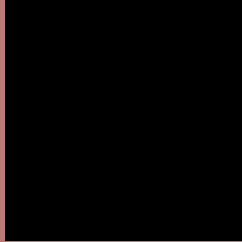
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.8158, 0.3976, 0.3335**

## Background



This preview shows how black text looks on a background with the Yxy color 25.8158, 0.3976, 0.3335.



This preview shows how white text looks on a background with the Yxy color 25.8158, 0.3976, 0.3335.

# 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

25.8158, 0.3976, 0.3335

### Protanopia

26.0435, 0.3308, 0.3473

### Deuteranopia

25.9116, 0.3632, 0.3560



## Tritanopia

25.7093, 0.3869, 0.3166

# Trichromacy



## Original Color

25.8158, 0.3976, 0.3335

## Protanomaly

25.7293, 0.3532, 0.3418

## Deuteranomaly

25.8193, 0.3745, 0.3475

## Tritanomaly

25.8468, 0.3916, 0.3236

# Monochromacy



## Original Color

25.8158, 0.3976, 0.3335

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

26.0128, 0.3414, 0.3307

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8158, 0.3976, 0.3335 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(187, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 122, 119)  
}
```

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(187, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 122, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8158, 0.3976, 0.3335 is called "border". The border property can be set on classes, ids or directly on the HTML element.

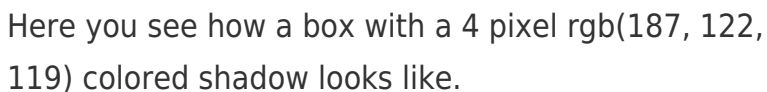
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 122, 119) }
```

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

```
.border{ border-color:rgb(187, 122, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 122, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 122, 119); box-shadow:4px 4px 4px 4px rgb(187, 122, 119) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8158, 0.3976, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 122, 119) }
```

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

```
.background{ background-color: rgb(187,  
122, 119) }
```

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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