

# Converting Colors

$Y_{xy}(27.6810, 0.3946, 0.3440)$

Have a look what the booklet for  
Yxy(27.6810, 0.3946, 0.3440)  
contains.

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# Color

**Yxy(27.5972, 0.3940, 0.3433)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB8177
RGB	187, 129, 119
RGB Percent	73%, 51%, 47%
CMY	0.2667, 0.4941, 0.5332
CMYK	0.00, 0.31, 0.36, 0.27
HSL	9°, 33%, 60%
HSV	9°, 36%, 73%
XYZ	31.6729, 27.5972, 21.1179
YIQ	145.2020, 37.7780, 9.1860

# Conversions

## Conversions Part 2

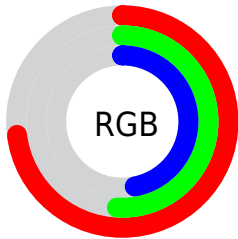
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 131, 119
Decimal	12288375
CIELab	59.52, 21.12, 14.44
CIElCh	60, 25.583, 34.372
Yxy	27.5972, 0.3940, 0.3433
Android (android.graphics.Color)	4290478455 (0xFFBB8177)
YUV	145.2020, -12.9176, 36.6568
Hunter-Lab	52.5330, 15.6872, 12.9389

# Details

The Yxy color  $27.5972, 0.3940, 0.3433$  is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be  $38.9586, 0.2603, 0.3140$ , and the grayscale version is  $28.4450, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $55.8086, 0.3774, 0.3411$ , and  $10.9524, 0.4234, 0.3448$  is the 20% darker color. If you saturate the color by 10%, you get  $23.3124, 0.4276, 0.3471$ , and if you desaturate by 10%, it is  $32.6291, 0.3657, 0.3392$ .

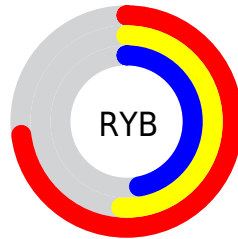
# Distribution



Red (73%)

Green (51%)

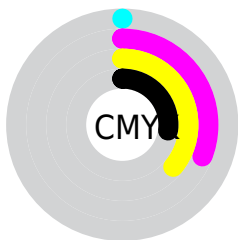
Blue (47%)



Red (73%)

Yellow (51%)

Blue (47%)

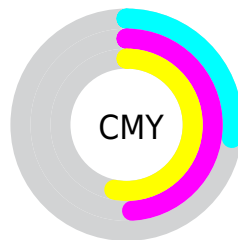


Cyan (0%)

Magenta (31%)

Yellow (36%)

Black (27%)



Cyan (27%)

Magenta (49%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5972, 0.3940, 0.3433 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 27.5972, 0.3940, 0.3433 by changing the saturation by 10% instead.




 27.5972, 0.3940,  
0.3433


 27.5972, 0.3940,  
0.3433


290.5371, 0.3494,  
0.3368


 18.0222, 0.4066,  
0.3446


 55.8407, 0.3768,  
0.3412

 10.9660, 0.4236,  
0.3458


 75.2780, 0.3706,  
0.3403

 6.0439, 0.4480,  
0.3468


 98.7716, 0.3655,  
0.3395

 2.8718, 0.4852,  
0.3465

126.7059, 0.3613,  
0.3388

 1.0652, 0.5876,  
0.3651

159.4651, 0.3576,  
0.3382

 0.0000, 1.0000,  
0.0000

197.4339, 0.3545,

 0.0000, 0.0000,

0.3377

0.0000


240.9964, 0.3518,  
0.3372

 27.5972, 0.3940,  
0.3433

 27.5972, 0.3940,  
0.3433


 23.3124, 0.4276,  
0.3471


 32.6291, 0.3657,  
0.3392


 19.7353, 0.4664,  
0.3502


 38.4375, 0.3423,  
0.3352


 16.8287, 0.5089,  
0.3519

 45.0546, 0.3231,  
0.3313


 14.5503, 0.5518,  
0.3514


 52.5101, 0.3073,  
0.3277


 12.8531, 0.5900,  
0.3482


 60.8318, 0.2943,  
0.3245

 11.6825, 0.6181,  
0.3426

 70.0465, 0.2836,  
0.3215

 11.3688, 0.6264,  
0.3408

 80.1795, 0.2747,  
0.3188

 89.3035, 0.2736,  
0.3289

# Harmonies

## Analogous

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



27.5972, 0.3687, 0.3094



27.5972, 0.3940, 0.3433



27.5972, 0.3954, 0.3763

# Triad

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



27.5972, 0.3940, 0.3433



27.5972, 0.2936, 0.3851



27.5972, 0.2527, 0.2611

# Complementary

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



27.5972, 0.3940, 0.3433



38.9586, 0.2603, 0.3140

# 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.



27.5972, 0.2359, 0.2753



27.5972, 0.3940, 0.3433



27.5972, 0.2581, 0.3469

# Square

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



27.5972, 0.3940, 0.3433



27.5972, 0.3358, 0.4049



27.5972, 0.2377, 0.3058



27.5972, 0.2855, 0.2637



# Rectangle

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



27.5972, 0.3940, 0.3433



27.5972, 0.3830, 0.3938



27.5972, 0.2377, 0.3058



27.5972, 0.2451, 0.2639

# Sweetspot

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



27.5985, 0.3940, 0.3433



74.7917, 0.3319, 0.3331



26.9747, 0.3266, 0.2509



16.1176, 0.3345, 0.3337



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.



27.5985, 0.3940, 0.3433



42.9242, 0.4218, 0.3465



37.7612, 0.3776, 0.3880



9.7565, 0.3285, 0.3324



7.9008, 0.6248, 0.3421



0.3827, 0.5862, 0.3727



# Inverse Universe

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



38.9586, 0.2603, 0.3140



66.3486, 0.2500, 0.3100



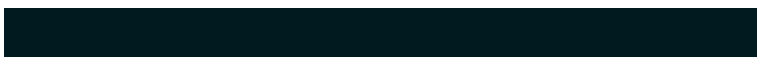
27.4413, 0.2531, 0.2616



10.5642, 0.2985, 0.3255



19.7665, 0.2118, 0.2823



0.8403, 0.2152, 0.2946



# Previews

## White Background



This preview shows how the Yxy color 27.5972, 0.3940, 0.3433 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 27.5972, 0.3940, 0.3433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

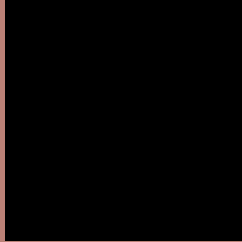
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.5972, 0.3940, 0.3433**

## Background



This preview shows how black text looks on a background with the Yxy color 27.5972, 0.3940, 0.3433.



This preview shows how white text looks on a background with the Yxy color 27.5972, 0.3940, 0.3433.

# 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

27.5972, 0.3940, 0.3433

### Protanopia

27.6353, 0.3376, 0.3566

### Deuteranopia

27.6768, 0.3686, 0.3613



## Tritanopia

27.5181, 0.3768, 0.3153

# Trichromacy



## Original Color

27.5972, 0.3940, 0.3433

## Protanomaly

27.3935, 0.3573, 0.3524

## Deuteranomaly

27.6346, 0.3770, 0.3545

## Tritanomaly

27.4818, 0.3827, 0.3250

# Monochromacy



## Original Color

27.5972, 0.3940, 0.3433

## Achromatopsia

28.3149, 0.3127, 0.3290

## Achromatomaly

27.7164, 0.3392, 0.3337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.5972, 0.3940, 0.3433 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, 129, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 129, 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, 129, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 129, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 27.5972, 0.3940, 0.3433 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, 129, 119) }
```

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

```
.border{ border-color:rgb(187, 129, 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, 129, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 129, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 129, 119);  
box-shadow:4px 4px 4px 4px rgb(187, 129,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.5972, 0.3940, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 129, 119) }
```

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

```
.background{ background-color: rgb(187,  
129, 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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