

# Converting Colors

$Y_{xy}(27.7399, 0.4242, 0.3565)$

Have a look what the booklet for  
Yxy(27.7399, 0.4242, 0.3565)  
contains.

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**Color**

**Yxy(27.8119, 0.4244, 0.3573)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C57E69
RGB	197, 126, 105
RGB Percent	77%, 49%, 41%
CMY	0.2275, 0.5058, 0.5882
CMYK	0.00, 0.36, 0.47, 0.23
HSL	14°, 44%, 59%
HSV	14°, 47%, 77%
XYZ	33.0349, 27.8119, 16.9923
YIQ	144.8350, 49.0570, 8.5210

# Conversions

## Conversions Part 2

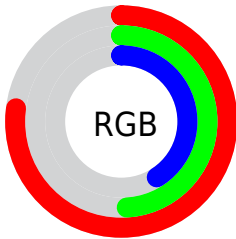
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 132, 105
Decimal	12942953
CIELab	59.72, 25.17, 22.87
CIElCh	60, 34.011, 42.257
Yxy	27.8119, 0.4244, 0.3573
Android (android.graphics.Color)	4291133033 (0xFFC57E69)
YUV	144.8350, -19.6387, 45.7487
Hunter-Lab	52.7370, 19.5242, 17.8122

# Details

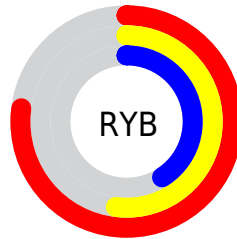
The Yxy color **27.8119, 0.4244, 0.3573** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.0786, 0.2455, 0.2975**, and the grayscale version is **28.3120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9005, 0.4006, 0.3534**, and **11.0498, 0.4628, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **23.8571, 0.4607, 0.3622**, and if you desaturate by 10%, it is **32.4540, 0.3926, 0.3513**.

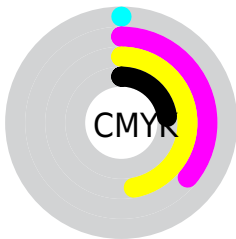
# Distribution



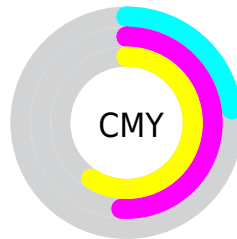
- Red (77%)
- Green (49%)
- Blue (41%)



- Red (77%)
- Yellow (52%)
- Blue (41%)



- Cyan (0%)
- Magenta (36%)
- Yellow (47%)
- Black (23%)




- Cyan (23%)
- Magenta (51%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8119, 0.4244, 0.3573 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 27.8119, 0.4244, 0.3573 by changing the saturation by 10% instead.





 27.8119, 0.4244,  
0.3573


 27.8119, 0.4244,  
0.3573


291.5670, 0.3634,  
0.3446


 18.1839, 0.4413,  
0.3596


 56.1840, 0.4010,  
0.3532


 11.0821, 0.4638,  
0.3619


 75.6969, 0.3926,  
0.3515

 6.1221, 0.4952,  
0.3633

 99.2735, 0.3856,  
0.3500

 2.9195, 0.5417,  
0.3619

 127.2983, 0.3797,  
0.3486

 1.0898, 0.6372,  
0.3628

160.1557, 0.3747,  
0.3474

 0.0000, 1.0000,  
0.0000

198.2300, 0.3704,

 0.0000, 0.0000,

0.3464

0.0000

241.9056, 0.3666,  
0.3454

■ 27.8119, 0.4244,  
0.3573

■ 27.8119, 0.4244,  
0.3573

■ 23.8571, 0.4607,  
0.3622

■ 32.4540, 0.3926,  
0.3513

■ 20.5523, 0.5001,  
0.3652

■ 37.8100, 0.3654,  
0.3450

■ 17.8629, 0.5401,  
0.3652

■ 43.9104, 0.3426,  
0.3387


■ 15.7491, 0.5764,  
0.3615


■ 50.7822, 0.3236,  
0.3328

■ 14.1652, 0.6048,  
0.3540


■ 58.4515, 0.3078,  
0.3272

 13.7447, 0.6129,  
0.3516

 66.9430, 0.2947,  
0.3221

 76.2801, 0.2837,  
0.3175

 85.9867, 0.2783,  
0.3211

 90.6091, 0.2789,  
0.3289

# Harmonies

## Analogous

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



27.8119, 0.3986, 0.3135



27.8119, 0.4244, 0.3573



27.8119, 0.4165, 0.3989

# Triad

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



27.8119, 0.4244, 0.3573



27.8119, 0.2730, 0.3931



27.8119, 0.2437, 0.2401

# Complementary

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



27.8119, 0.4244, 0.3573



38.0786, 0.2455, 0.2975

# 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.



27.8119, 0.2168, 0.2513



27.8119, 0.4244, 0.3573



27.8119, 0.2320, 0.3369

# Square

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



27.8119, 0.4244, 0.3573



27.8119, 0.3271, 0.4279



27.8119, 0.2126, 0.2846



27.8119, 0.2902, 0.2492



# Rectangle

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



27.8119, 0.4244, 0.3573



27.8119, 0.3946, 0.4203



27.8119, 0.2126, 0.2846



27.8119, 0.2323, 0.2414

# Sweetspot

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



27.8133, 0.4244, 0.3573



81.5764, 0.3376, 0.3372



25.1496, 0.3406, 0.2378



16.9073, 0.3420, 0.3386



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.8133, 0.4244, 0.3573



42.6272, 0.4613, 0.3623



41.9875, 0.3954, 0.4138



11.0234, 0.3284, 0.3343



9.1476, 0.6107, 0.3533



0.5467, 0.5692, 0.3862



# Inverse Universe

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



38.0786, 0.2455, 0.2975



63.1276, 0.2336, 0.2893



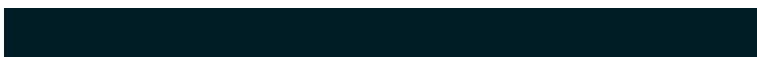
23.2847, 0.2325, 0.2253



11.6409, 0.2984, 0.3236



17.5556, 0.2040, 0.2543



0.9348, 0.2088, 0.2717



# Previews

## White Background



This preview shows how the Yxy color 27.8119, 0.4244, 0.3573 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

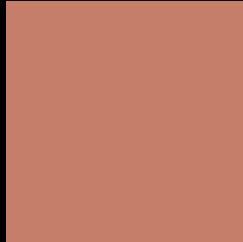
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.8119, 0.4244, 0.3573 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 27.8119, 0.4244, 0.3573**

## Background



This preview shows how black text looks on a background with the Yxy color 27.8119, 0.4244, 0.3573.



This preview shows how white text looks on a background with the Yxy color 27.8119, 0.4244, 0.3573.

# 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

27.8119, 0.4244, 0.3573

### Protanopia

28.0088, 0.3555, 0.3788

### Deuteranopia

27.8142, 0.3889, 0.3818



## Tritanopia

27.6999, 0.3964, 0.3173

# Trichromacy



## Original Color

27.8119, 0.4244, 0.3573

## Protanomaly

27.5632, 0.3805, 0.3701

## Deuteranomaly

27.7530, 0.4007, 0.3726

## Tritanomaly

27.5768, 0.4062, 0.3306

# Monochromacy



## Original Color

27.8119, 0.4244, 0.3573

## Achromatopsia

28.3149, 0.3127, 0.3290

## Achromatomaly

27.6812, 0.3506, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.8119, 0.4244, 0.3573 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(197, 126, 105)` looks like.

```
.text, #text, p{  
    color:rgb(197, 126, 105)  
}
```

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(197, 126, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 126, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 27.8119, 0.4244, 0.3573 is called "border". The border property can be set on classes, ids or directly on the HTML element.

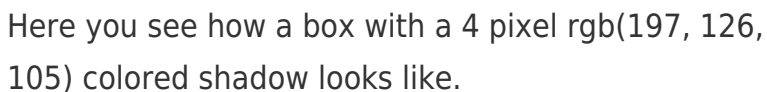
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 126, 105) }
```

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

```
.border{ border-color:rgb(197, 126, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 126, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 126, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 126, 105); box-shadow:4px 4px 4px 4px rgb(197, 126, 105) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.8119, 0.4244, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 126, 105) }
```

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

```
.background{ background-color: rgb(197,  
126, 105) }
```

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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