

# Converting Colors

$Y_{xy}(28.2441, 0.4268, 0.3578)$

Have a look what the booklet for  
Yxy(28.2441, 0.4268, 0.3578)  
contains.

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**Color**

**Yxy(28.0837, 0.4267, 0.3570)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C77E69
RGB	199, 126, 105
RGB Percent	78%, 49%, 41%
CMY	0.2195, 0.5059, 0.5882
CMYK	0.00, 0.37, 0.47, 0.22
HSL	13°, 46%, 60%
HSV	13°, 47%, 78%
XYZ	33.5667, 28.0837, 17.0154
YIQ	145.4330, 50.2490, 8.9450

# Conversions

## Conversions Part 2

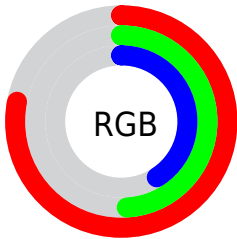
Format	Color
R <sub>Y</sub> B	199, 132, 105
Decimal	13074025
CIE Lab	59.96, 25.99, 23.25
CIE LCh	60, 34.869, 41.810
Yxy	28.0837, 0.4267, 0.3570
Android (android.graphics.Color)	4291264105 (0xFFC77E69)
YUV	145.4330, -19.9335, 46.9783
Hunter-Lab	52.9941, 20.3232, 18.0589

# Details

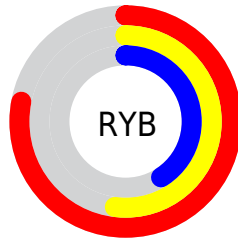
The Yxy color **28.0837, 0.4267, 0.3570** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.9745, 0.2449, 0.2977**, and the grayscale version is **28.5689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9005, 0.4006, 0.3534**, and **11.2252, 0.4658, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **24.0705, 0.4634, 0.3617**, and if you desaturate by 10%, it is **32.8061, 0.3944, 0.3512**.

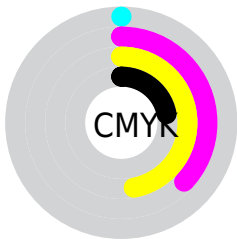
# Distribution



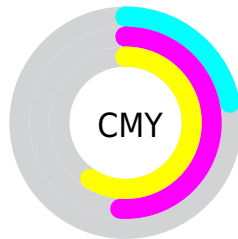
- Red (78%)
- Green (49%)
- Blue (41%)



- Red (78%)
- Yellow (52%)
- Blue (41%)



- Cyan (0%)
- Magenta (37%)
- Yellow (47%)
- Black (22%)




- Cyan (22%)
- Magenta (51%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0837, 0.4267, 0.3570 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 28.0837, 0.4267, 0.3570 by changing the saturation by 10% instead.




 28.0837, 0.4267,  
0.3570


 28.0837, 0.4267,  
0.3570


292.8666, 0.3645,  
0.3446


 18.3888, 0.4438,  
0.3592


 56.6180, 0.4029,  
0.3530

 11.2295, 0.4667,  
0.3612


 76.2262, 0.3943,  
0.3514

 6.2214, 0.4985,  
0.3623

 99.9077, 0.3872,  
0.3499

 2.9802, 0.5452,  
0.3603

 128.0467, 0.3812,  
0.3486

 1.1214, 0.6401,  
0.3599

161.0277, 0.3761,  
0.3474

 0.0000, 1.0000,  
0.0000

199.2351, 0.3717,

 0.0000, 0.0000,


0.3463


0.0000

243.0533, 0.3679,  
0.3454

 28.0837, 0.4267,  
0.3570


 28.0837, 0.4267,  
0.3570


 24.0705, 0.4634,  
0.3617


 32.8061, 0.3944,  
0.3512


 20.7277, 0.5032,  
0.3645


 38.2660, 0.3669,  
0.3450


 18.0189, 0.5433,  
0.3642


 44.4948, 0.3438,  
0.3389

 15.9022, 0.5794,  
0.3602


 51.5212, 0.3246,  
0.3330

 14.3291, 0.6073,  
0.3527

 59.3721, 0.3086,  
0.3275

 13.9793, 0.6140,  
0.3507

 68.0735, 0.2953,  
0.3225

 77.6498, 0.2842,  
0.3179

 87.5173, 0.2796,  
0.3233

 90.8842, 0.2800,  
0.3289

# Harmonies

## Analogous

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



28.0837, 0.3999, 0.3125



28.0837, 0.4267, 0.3570



28.0837, 0.4190, 0.3996

# Triad

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



28.0837, 0.4267, 0.3570



28.0837, 0.2729, 0.3953



28.0837, 0.2417, 0.2384

# Complementary

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



28.0837, 0.4267, 0.3570



38.9745, 0.2449, 0.2977

# 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.



28.0837, 0.2147, 0.2500



28.0837, 0.4267, 0.3570



28.0837, 0.2308, 0.3379

# Square

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



28.0837, 0.4267, 0.3570



28.0837, 0.3281, 0.4305



28.0837, 0.2107, 0.2842



28.0837, 0.2889, 0.2474



# Rectangle

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



28.0837, 0.4267, 0.3570



28.0837, 0.3968, 0.4217



28.0837, 0.2107, 0.2842



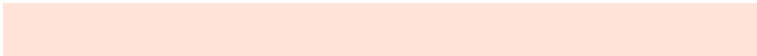
28.0837, 0.2302, 0.2398

# Sweetspot

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



28.0851, 0.4267, 0.3570



81.4783, 0.3376, 0.3371



25.4873, 0.3410, 0.2368



16.8837, 0.3420, 0.3384



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.



28.0851, 0.4267, 0.3570



41.7583, 0.4657, 0.3620



42.8128, 0.3966, 0.4148



11.0148, 0.3284, 0.3342



9.0969, 0.6118, 0.3525



0.5428, 0.5704, 0.3853

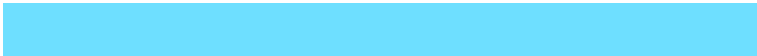


# Inverse Universe

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



38.9745, 0.2449, 0.2977



63.0401, 0.2327, 0.2894



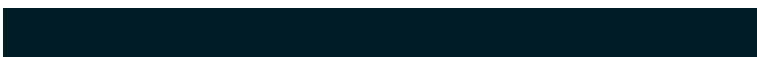
23.5315, 0.2314, 0.2237



11.6501, 0.2984, 0.3237



17.7654, 0.2045, 0.2561



0.9431, 0.2092, 0.2730



# Previews

## White Background



This preview shows how the Yxy color 28.0837, 0.4267, 0.3570 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 28.0837, 0.4267, 0.3570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

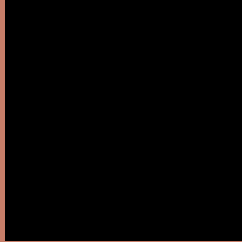
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.0837, 0.4267, 0.3570**

## Background



This preview shows how black text looks on a background with the Yxy color 28.0837, 0.4267, 0.3570.



This preview shows how white text looks on a background with the Yxy color 28.0837, 0.4267, 0.3570.

# 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

28.0837, 0.4267, 0.3570

### Protanopia

28.3131, 0.3551, 0.3803

### Deuteranopia

28.2152, 0.3895, 0.3830



## Tritanopia

27.9753, 0.3987, 0.3174

# Trichromacy



## Original Color

28.0837, 0.4267, 0.3570

## Protanomaly

27.8488, 0.3800, 0.3715

## Deuteranomaly

27.9948, 0.4031, 0.3722

## Tritanomaly

27.8504, 0.4085, 0.3306

# Monochromacy



## Original Color

28.0837, 0.4267, 0.3570

## Achromatopsia

28.3149, 0.3127, 0.3290

## Achromatomaly

27.7880, 0.3518, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0837, 0.4267, 0.3570 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(199, 126, 105)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 126, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 126, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0837, 0.4267, 0.3570 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(199, 126, 105) }
```

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

```
.border{ border-color:rgb(199, 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(199, 126, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 126, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 126, 105);  
box-shadow:4px 4px 4px 4px rgb(199, 126,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0837, 0.4267, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 126, 105) }
```

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

```
.background{ background-color: rgb(199,  
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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