

# Converting Colors

$Y_{xy}(28.0552, 0.4373, 0.3322)$

Have a look what the booklet for  
Yxy(28.0552, 0.4373, 0.3322)  
contains.

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# Color

**Yxy(28.0836, 0.4369, 0.3331)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D57572
RGB	213, 117, 114
RGB Percent	84%, 46%, 45%
CMY	0.1648, 0.5411, 0.5530
CMYK	0.00, 0.45, 0.46, 0.16
HSL	2°, 54%, 64%
HSV	2°, 46%, 84%
XYZ	36.8350, 28.0836, 19.3913
YIQ	145.3620, 58.1790, 19.4190

# Conversions

## Conversions Part 2

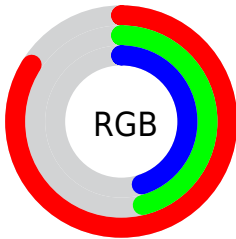
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 117, 114
Decimal	13989234
CIE Lab	59.96, 37.11, 18.45
CIE LCh	60, 41.440, 26.435
Yxy	28.0836, 0.4369, 0.3331
Android (android.graphics.Color)	4292179314 (0xFFD57572)
YUV	145.3620, -15.4615, 59.3185
Hunter-Lab	52.9940, 31.3321, 15.4007

# Details

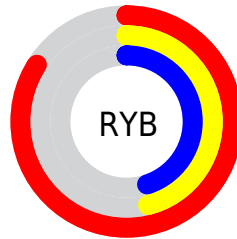
The Yxy color **28.0836, 0.4369, 0.3331** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **54.4446, 0.2504, 0.3247**, and the grayscale version is **28.5176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1390, 0.3946, 0.3345**, and **11.2583, 0.4814, 0.3295** is the 20% darker color. If you saturate the color by 10%, you get **23.3627, 0.4802, 0.3338**, and if you desaturate by 10%, it is **33.9811, 0.3996, 0.3322**.

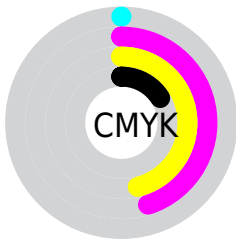
# Distribution



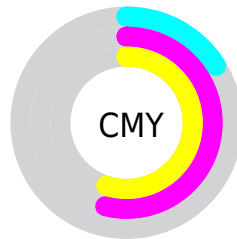
- Red (84%)
- Green (46%)
- Blue (45%)



- Red (84%)
- Yellow (46%)
- Blue (45%)



- Cyan (0%)
- Magenta (45%)
- Yellow (46%)
- Black (16%)




- Cyan (16%)
- Magenta (54%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0836, 0.4369, 0.3331 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 28.0836, 0.4369, 0.3331 by changing the saturation by 10% instead.





 28.0836, 0.4369,  
0.3331


 28.0836, 0.4369,  
0.3331


292.8662, 0.3690,  
0.3336

 18.3887, 0.4557,  
0.3318


 56.6179, 0.4108,  
0.3340

 11.2294, 0.4809,  
0.3294


 76.2260, 0.4015,  
0.3342

 6.2214, 0.5161,  
0.3244

 99.9074, 0.3937,  
0.3342

 2.9801, 0.5678,  
0.3138

 128.0464, 0.3872,  
0.3341

 1.1214, 0.6917,  
0.3083

161.0274, 0.3816,  
0.3340

 0.0000, 1.0000,  
0.0000

199.2347, 0.3768,

 0.0000, 0.0000,

0.3339


0.0000


243.0529, 0.3727,  
0.3337


 28.0836, 0.4369,  
0.3331


 28.0836, 0.4369,  
0.3331


 23.3627, 0.4802,  
0.3338


 33.9811, 0.3996,  
0.3322

 19.7355, 0.5273,  
0.3340


 41.1220, 0.3687,  
0.3313


 17.1155, 0.5730,  
0.3338


 49.5734, 0.3437,  
0.3304


 15.4011, 0.6103,  
0.3328

 59.3963, 0.3236,  
0.3295

 14.4690, 0.6330,  
0.3315

 70.6479, 0.3074,  
0.3287

 14.2861, 0.6382,  
0.3315

 83.3820, 0.2944,  
0.3280

 92.8840, 0.2877,  
0.3289

# Harmonies

## Analogous

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



28.0836, 0.3866, 0.2847



28.0836, 0.4369, 0.3331



28.0836, 0.4480, 0.3848

# Triad

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



28.0836, 0.4369, 0.3331



28.0836, 0.2969, 0.4363



28.0836, 0.2105, 0.2268

# Complementary

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



28.0836, 0.4369, 0.3331



54.4446, 0.2504, 0.3247

# 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.



28.0836, 0.1930, 0.2524



28.0836, 0.4369, 0.3331



28.0836, 0.2383, 0.3760

# Square

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



28.0836, 0.4369, 0.3331



28.0836, 0.3631, 0.4546



28.0836, 0.2020, 0.3049



28.0836, 0.2534, 0.2262



# Rectangle

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



28.0836, 0.4369, 0.3331



28.0836, 0.4325, 0.4168



28.0836, 0.2020, 0.3049



28.0836, 0.2018, 0.2324

# Sweetspot

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



28.0850, 0.4369, 0.3331



77.7853, 0.3386, 0.3302



30.8931, 0.3196, 0.2182



15.9970, 0.3433, 0.3304



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.



28.0850, 0.4369, 0.3331



35.0610, 0.4806, 0.3338



42.3159, 0.4068, 0.3917



12.4813, 0.3290, 0.3298



8.7550, 0.6376, 0.3319



0.5501, 0.6300, 0.3380



# Inverse Universe

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



54.4446, 0.2504, 0.3247



79.4304, 0.2410, 0.3237



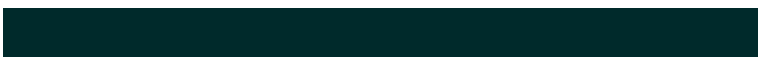
34.1601, 0.2378, 0.2552



14.0393, 0.2983, 0.3282



30.0620, 0.2221, 0.3194



1.8342, 0.2225, 0.3211



# Previews

## White Background



This preview shows how the Yxy color 28.0836, 0.4369, 0.3331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

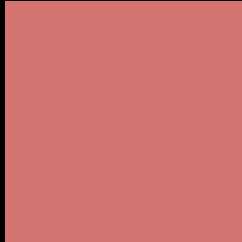
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 28.0836, 0.4369, 0.3331 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 28.0836, 0.4369, 0.3331**

## Background



This preview shows how black text looks on a background with the Yxy color 28.0836, 0.4369, 0.3331.



This preview shows how white text looks on a background with the Yxy color 28.0836, 0.4369, 0.3331.

# 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

28.0836, 0.4369, 0.3331

### Protanopia

28.4585, 0.3384, 0.3579

### Deuteranopia

28.1371, 0.3795, 0.3730



## Tritanopia

28.2422, 0.4255, 0.3195

# Trichromacy



## Original Color

28.0836, 0.4369, 0.3331

## Protanomaly

27.7318, 0.3724, 0.3485

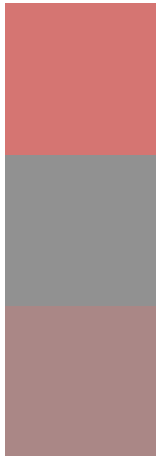
## Deuteranomaly

27.8194, 0.4014, 0.3575

## Tritanomaly

28.1430, 0.4308, 0.3244

# Monochromacy



## Original Color

28.0836, 0.4369, 0.3331

## Achromatopsia

28.3149, 0.3127, 0.3290

## Achromatomaly

27.5952, 0.3540, 0.3306

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0836, 0.4369, 0.3331 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(213, 117, 114)` looks like.

```
.text, #text, p{  
    color:rgb(213, 117, 114)  
}
```

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(213, 117, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 117, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0836, 0.4369, 0.3331 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(213, 117, 114) }
```

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

```
.border{ border-color:rgb(213, 117, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 117, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 117, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 117, 114);  
box-shadow:4px 4px 4px 4px rgb(213, 117,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0836, 0.4369, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 117, 114) }
```

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

```
.background{ background-color: rgb(213,  
117, 114) }
```

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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