

# Converting Colors

$Yxy(69.7876, 0.3236, 0.3401)$

Have a look what the booklet for  
Yxy(69.7876, 0.3236, 0.3401)  
contains.

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# Color

**Yxy(69.8187, 0.3239, 0.3400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFD9CF
RGB	223, 217, 207
RGB Percent	87%, 85%, 81%
CMY	0.1254, 0.1490, 0.1881
CMYK	0.00, 0.03, 0.07, 0.13
HSL	37°, 20%, 84%
HSV	37°, 7%, 87%
XYZ	66.5126, 69.8187, 69.0178
YIQ	217.6540, 6.7860, -1.8380

# Conversions

## Conversions Part 2

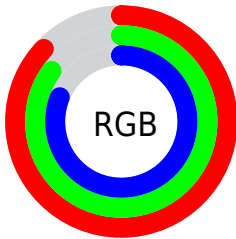
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 223, 207
Decimal	14670287
CIE Lab	86.91, 0.34, 5.62
CIE LCh	87, 5.635, 86.557
Yxy	69.8187, 0.3239, 0.3400
Android (android.graphics.Color)	4292860367 (0xFFDFD9CF)
YUV	217.6540, -5.2524, 4.6884
Hunter-Lab	83.5576, -4.1382, 9.5173

# Details

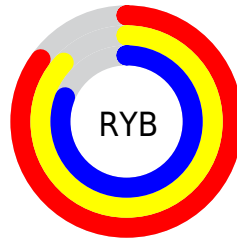
The Yxy color **69.8187, 0.3239, 0.3400** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.2081, 0.3017, 0.3178**, and the grayscale version is **69.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4654, 0.3266, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **64.5894, 0.3410, 0.3560**, and if you desaturate by 10%, it is **75.4282, 0.3085, 0.3248**.

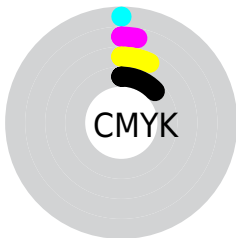
# Distribution



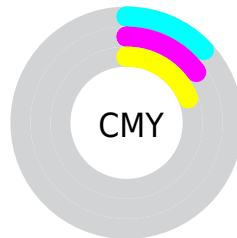
- Red (87%)
- Green (85%)
- Blue (81%)



- Red (85%)
- Yellow (87%)
- Blue (81%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8187, 0.3239, 0.3400 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 69.8187, 0.3239, 0.3400 by changing the saturation by 10% instead.



■ 69.8187, 0.3239,  
0.3400

■ 69.8187, 0.3239,  
0.3400

459.9132, 0.3187,  
0.3349

■ 51.3787, 0.3251,  
0.3412

118.9502, 0.3221,  
0.3382

■ 36.5101, 0.3266,  
0.3426

150.4105, 0.3214,  
0.3375

■ 24.8284, 0.3285,  
0.3445

186.9797, 0.3208,  
0.3369

■ 15.9493, 0.3310,  
0.3470

229.0422, 0.3202,  
0.3364

■ 9.4883, 0.3345,  
0.3503

276.9824, 0.3198,  
0.3360

■ 5.0610, 0.3396,  
0.3553

331.1847, 0.3194,

■ 2.2831, 0.3477,

0.3356

0.3632

392.0335, 0.3190,  
0.3352

0.7647, 0.3791,  
0.3943

0.0000, 0.0000,  
0.0000

69.8187, 0.3239,  
0.3400

69.8187, 0.3239,  
0.3400

64.5894, 0.3410,  
0.3560

75.4282, 0.3085,  
0.3248

59.7216, 0.3600,  
0.3726

81.4180, 0.2949,  
0.3106

55.2080, 0.3806,  
0.3892

86.5200, 0.2932,  
0.3159

51.0379, 0.4025,  
0.4050

91.6362, 0.2934,  
0.3245

■ 47.1997, 0.4251,  
0.4192

■ 94.4305, 0.2935,  
0.3289

■ 43.6810, 0.4475,  
0.4305

■ 40.4677, 0.4685,  
0.4379

■ 37.5443, 0.4871,  
0.4403

■ 34.8913, 0.5023,  
0.4375

# Harmonies

## Analogous

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



69.8187, 0.3262, 0.3361



69.8187, 0.3239, 0.3400



69.8187, 0.3186, 0.3409

# Triad

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



69.8187, 0.3239, 0.3400



69.8187, 0.3007, 0.3274



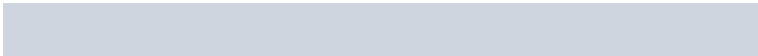
69.8187, 0.3136, 0.3197

# Complementary

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



69.8187, 0.3239, 0.3400



66.2081, 0.3017, 0.3178

# 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.



69.8187, 0.3068, 0.3174



69.8187, 0.3239, 0.3400



69.8187, 0.2994, 0.3217

# Square

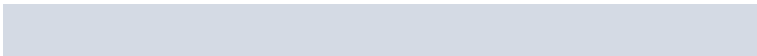
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8187, 0.3239, 0.3400



69.8187, 0.3052, 0.3336



69.8187, 0.3016, 0.3181



69.8187, 0.3203, 0.3244



# Rectangle

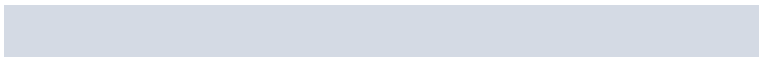
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8187, 0.3239, 0.3400



69.8187, 0.3141, 0.3397



69.8187, 0.3016, 0.3181



69.8187, 0.3113, 0.3186

# Sweetspot

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



69.8217, 0.3239, 0.3400



98.4574, 0.3158, 0.3320



65.1407, 0.3205, 0.3223



21.0902, 0.3156, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

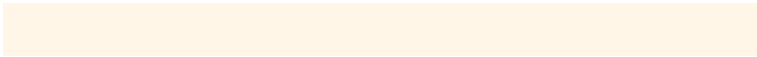


# Same Dimension

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



69.8217, 0.3239, 0.3400



93.2218, 0.3270, 0.3430



72.6860, 0.3220, 0.3466



15.1175, 0.3276, 0.3436



20.3191, 0.5047, 0.4375



1.5789, 0.4881, 0.4507

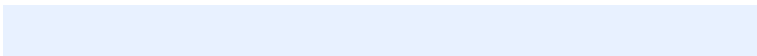


# Inverse Universe

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



66.2081, 0.3017, 0.3178



87.1095, 0.2987, 0.3146



63.5063, 0.3031, 0.3110



14.0843, 0.2981, 0.3140



7.0542, 0.1667, 0.1201

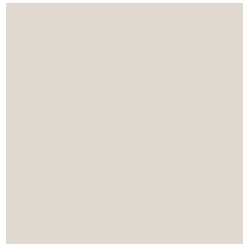


0.6573, 0.1753, 0.1510



# Previews

## White Background



This preview shows how the Yxy color 69.8187, 0.3239, 0.3400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

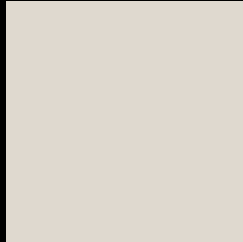
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8187, 0.3239, 0.3400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

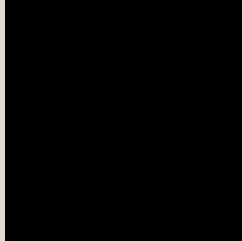
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.8187, 0.3239, 0.3400**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8187, 0.3239, 0.3400.

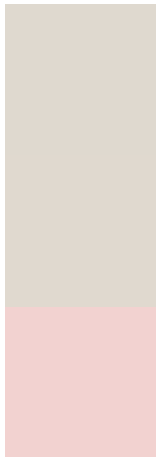


This preview shows how white text looks on a background with the Yxy color 69.8187, 0.3239, 0.3400.

# 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

69.8187, 0.3239, 0.3400

### Protanopia

69.9780, 0.3246, 0.3400

### Deuteranopia

69.5245, 0.3385, 0.3312



## Tritanopia

69.4704, 0.3107, 0.3108

# Trichromacy



## Original Color

69.8187, 0.3239, 0.3400

## Protanomaly

69.9780, 0.3246, 0.3400

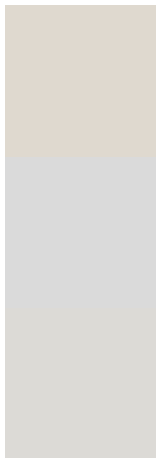
## Deuteranomaly

69.8047, 0.3327, 0.3344

## Tritanomaly

69.3746, 0.3153, 0.3204

# Monochromacy



## Original Color

69.8187, 0.3239, 0.3400

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.2135, 0.3168, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8187, 0.3239, 0.3400 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(223, 217, 207)` looks like.

```
.text, #text, p{  
    color:rgb(223, 217, 207)  
}
```

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(223, 217, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 217, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8187, 0.3239, 0.3400 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(223, 217, 207) }
```

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

```
.border{ border-color:rgb(223, 217, 207) }
```

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

Here you see how a box with a 4 pixel rgb(223, 217, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 217, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 217, 207);  
box-shadow:4px 4px 4px 4px rgb(223, 217,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8187, 0.3239, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 217, 207) }
```

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

```
.background{ background-color: rgb(223,  
217, 207) }
```

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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