

# Converting Colors

$Yxy(64.7876, 0.3238, 0.3302)$

Have a look what the booklet for  
Yxy(64.7876, 0.3238, 0.3302)  
contains.

<b>Yxy(64.9889, 0.3233, 0.3301)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.9889, 0.3233, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD0CF
RGB	221, 208, 207
RGB Percent	87%, 82%, 81%
CMY	0.1331, 0.1844, 0.1881
CMYK	0.00, 0.06, 0.06, 0.13
HSL	4°, 17%, 84%
HSV	4°, 6%, 87%
XYZ	63.6501, 64.9889, 68.2374
YIQ	211.7730, 8.0690, 2.4450

# Conversions

## Conversions Part 2

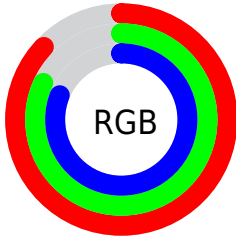
Format	Color
R <sub>Y</sub> B	221, 208, 207
Decimal	14536911
CIE Lab	84.48, 4.35, 2.09
CIE LCh	84, 4.824, 25.609
Yxy	64.9889, 0.3233, 0.3301
Android (android.graphics.Color)	4292726991 (0xFFDDD0CF)
YUV	211.7730, -2.3531, 8.0921
Hunter-Lab	80.6157, -0.1427, 6.2448

# Details

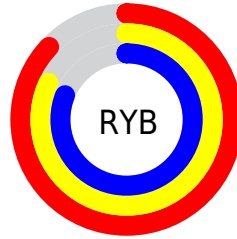
The Yxy color **64.9889, 0.3233, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7243, 0.3029, 0.3279**, and the grayscale version is **65.6978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.5181, 0.3257, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **54.5887, 0.3432, 0.3320**, and if you desaturate by 10%, it is **76.8495, 0.3072, 0.3284**.

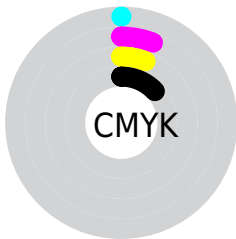
# Distribution



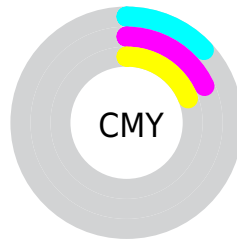
- Red (87%)
- Green (82%)
- Blue (81%)



- Red (87%)
- Yellow (82%)
- Blue (81%)



- Cyan (0%)
- Magenta (6%)
- Yellow (6%)
- Black (13%)



- Cyan (13%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9889, 0.3233, 0.3301 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 64.9889, 0.3233, 0.3301 by changing the saturation by 10% instead.



■ 64.9889, 0.3233,  
0.3301

■ 64.9889, 0.3233,  
0.3301

442.7521, 0.3183,  
0.3296

■ 47.4521, 0.3245,  
0.3302

112.0339, 0.3215,  
0.3299

■ 33.3932, 0.3259,  
0.3303

142.3109, 0.3209,  
0.3299

■ 22.4278, 0.3278,  
0.3305

177.6033, 0.3203,  
0.3298

■ 14.1716, 0.3303,  
0.3307

218.2957, 0.3198,  
0.3298

■ 8.2401, 0.3339,  
0.3310

264.7724, 0.3193,  
0.3297

■ 4.2490, 0.3391,  
0.3314

317.4177, 0.3189,

■ 1.8138, 0.3479,

0.3297

0.3320

376.6162, 0.3186,  
0.3296

0.4957, 0.3935,  
0.3379

0.0000, 0.0000,  
0.0000

64.9889, 0.3233,  
0.3301

64.9889, 0.3233,  
0.3301

54.5887, 0.3432,  
0.3320

76.8495, 0.3072,  
0.3284

45.5843, 0.3678,  
0.3339

90.2150, 0.2942,  
0.3268

37.9190, 0.3980,  
0.3359

94.1196, 0.2923,  
0.3289

31.5286, 0.4344,  
0.3377

■ 26.3441, 0.4766,  
0.3391

■ 22.2896, 0.5225,  
0.3397

■ 19.2808, 0.5677,  
0.3390

■ 17.2215, 0.6056,  
0.3370

■ 15.9973, 0.6300,  
0.3339

# Harmonies

## Analogous

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



64.9889, 0.3192, 0.3249



64.9889, 0.3233, 0.3301



64.9889, 0.3246, 0.3351

# Triad

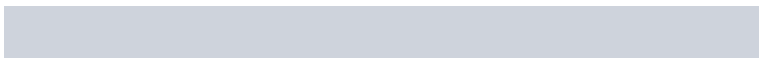
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.9889, 0.3233, 0.3301



64.9889, 0.3120, 0.3375



64.9889, 0.3029, 0.3195

# Complementary

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



64.9889, 0.3233, 0.3301



69.7243, 0.3029, 0.3279

# 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.



64.9889, 0.3010, 0.3228



64.9889, 0.3233, 0.3301



64.9889, 0.3063, 0.3332

# Square

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



64.9889, 0.3233, 0.3301



64.9889, 0.3180, 0.3395



64.9889, 0.3023, 0.3278



64.9889, 0.3074, 0.3188



# Rectangle

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



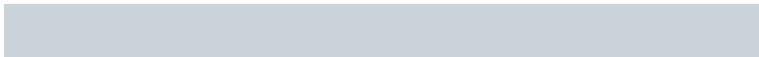
64.9889, 0.3233, 0.3301



64.9889, 0.3236, 0.3377



64.9889, 0.3023, 0.3278



64.9889, 0.3019, 0.3203

# Sweetspot

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



64.9917, 0.3233, 0.3301



96.6822, 0.3159, 0.3293



65.1917, 0.3141, 0.3146



20.7287, 0.3158, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

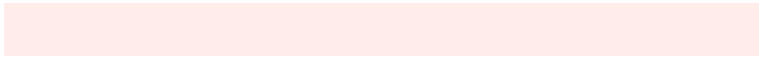


# Same Dimension

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



64.9917, 0.3233, 0.3301



87.2247, 0.3264, 0.3304



68.4726, 0.3226, 0.3378



13.1940, 0.3290, 0.3307



9.1900, 0.6347, 0.3342



0.6468, 0.6193, 0.3464

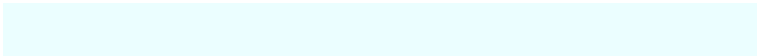


# Inverse Universe

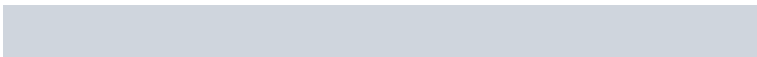
The Inverse Universe completely reimagines the original color for something new.



69.7243, 0.3029, 0.3279



95.4456, 0.3003, 0.3276



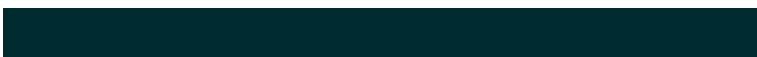
66.1325, 0.3030, 0.3200



14.6688, 0.2982, 0.3273



28.7042, 0.2188, 0.3076

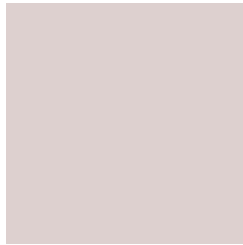


1.9065, 0.2198, 0.3113



# Previews

## White Background



This preview shows how the Yxy color 64.9889, 0.3233, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

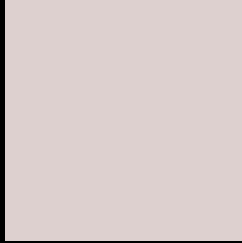
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9889, 0.3233, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

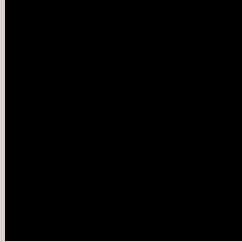
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

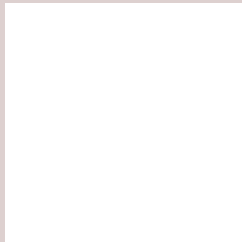
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9889, 0.3233, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9889, 0.3233, 0.3301.



This preview shows how white text looks on a background with the Yxy color 64.9889, 0.3233, 0.3301.

# 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

64.9889, 0.3233, 0.3301

### Protanopia

65.0943, 0.3178, 0.3313

### Deuteranopia

64.8956, 0.3315, 0.3247



## Tritanopia

65.1045, 0.3143, 0.3115

# Trichromacy



## Original Color

64.9889, 0.3233, 0.3301

## Protanomaly

64.9067, 0.3194, 0.3301

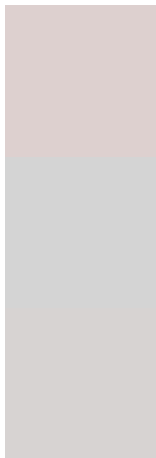
## Deuteranomaly

64.7107, 0.3283, 0.3258

## Tritanomaly

65.1650, 0.3170, 0.3180

# Monochromacy



## Original Color

64.9889, 0.3233, 0.3301

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.6887, 0.3164, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9889, 0.3233, 0.3301 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(221, 208, 207) looks like.

```
.text, #text, p{  
    color:rgb(221, 208, 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(221, 208, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 208, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9889, 0.3233, 0.3301 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(221, 208, 207) }
```

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

```
.border{ border-color:rgb(221, 208, 207) }
```

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

Here you see how a box with a 4 pixel rgb(221, 208, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 208, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 208, 207);  
box-shadow:4px 4px 4px 4px rgb(221, 208,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9889, 0.3233, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 208, 207) }
```

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

```
.background{ background-color: rgb(221,  
208, 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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