

# Converting Colors

$Yxy(67.2988, 0.3238, 0.3340)$

Have a look what the booklet for  
Yxy(67.2988, 0.3238, 0.3340)  
contains.

<b>Yxy(67.3290, 0.3237, 0.3335)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(67.3290, 0.3237, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFD4D0
RGB	223, 212, 208
RGB Percent	87%, 83%, 82%
CMY	0.1256, 0.1686, 0.1844
CMYK	0.00, 0.05, 0.07, 0.13
HSL	16°, 19%, 84%
HSV	16°, 7%, 87%
XYZ	65.3505, 67.3290, 69.2065
YIQ	214.8330, 7.8400, 1.0880

# Conversions

## Conversions Part 2

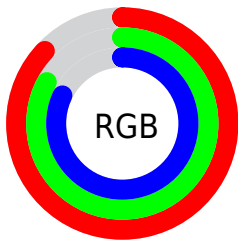
Format	Color
R <sub>Y</sub> B	223, 213, 208
Decimal	14669008
CIE Lab	85.67, 3.07, 3.33
CIE LCh	86, 4.535, 47.315
Yxy	67.3290, 0.3237, 0.3335
Android (android.graphics.Color)	4292859088 (0xFFDFD4D0)
YUV	214.8330, -3.3687, 7.1625
Hunter-Lab	82.0543, -1.4321, 7.4314

# Details

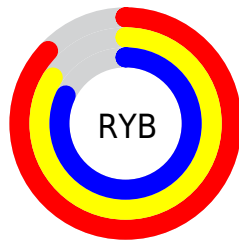
The Yxy color  $67.3290, 0.3237, 0.3335$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $69.3565, 0.3024, 0.3245$ , and the grayscale version is  $67.8538, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.7719, 0.3264, 0.3334$  is the 20% darker color. If you saturate the color by 10%, you get  $58.5750, 0.3427, 0.3406$ , and if you desaturate by 10%, it is  $77.0642, 0.3078, 0.3269$ .

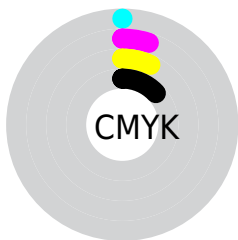
# Distribution



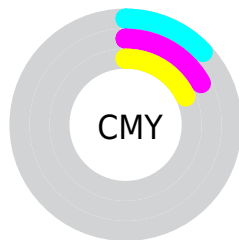
- Red (87%)
- Green (83%)
- Blue (82%)



- Red (87%)
- Yellow (84%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (13%)




- Cyan (13%)
- Magenta (17%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3290, 0.3237, 0.3335 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 67.3290, 0.3237, 0.3335 by changing the saturation by 10% instead.




 67.3290, 0.3237,  
0.3335

 67.3290, 0.3237,  
0.3335

451.1150, 0.3185,  
0.3314

 49.3520, 0.3249,  
0.3340

115.3917, 0.3219,  
0.3328

 34.8988, 0.3264,  
0.3346

146.2462, 0.3212,  
0.3325

 23.5849, 0.3283,  
0.3353


182.1621, 0.3206,  
0.3323

 15.0260, 0.3309,  
0.3363

223.5237, 0.3201,  
0.3320

 8.8377, 0.3344,  
0.3377

270.7153, 0.3196,  
0.3319

 4.6354, 0.3397,  
0.3396

324.1215, 0.3192,

 2.0350, 0.3483,

0.3317

0.3428

384.1266, 0.3189,  
0.3315

0.6277, 0.3839,  
0.3587

0.0000, 0.0000,  
0.0000

67.3290, 0.3237,  
0.3335

67.3290, 0.3237,  
0.3335

58.5750, 0.3427,  
0.3406

77.0642, 0.3078,  
0.3269

50.7628, 0.3653,  
0.3480

87.8011, 0.2945,  
0.3208

43.8631, 0.3920,  
0.3555

94.4236, 0.2934,  
0.3289

37.8418, 0.4231,  
0.3626

■ 32.6628, 0.4583,  
0.3685

■ 28.2871, 0.4964,  
0.3723

■ 24.6725, 0.5348,  
0.3726

■ 21.7725, 0.5698,  
0.3687

■ 19.5342, 0.5976,  
0.3605

# Harmonies

## Analogous

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



67.3290, 0.3217, 0.3286



67.3290, 0.3237, 0.3335



67.3290, 0.3227, 0.3372

# Triad

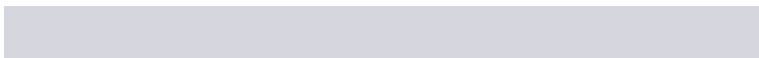
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3290, 0.3237, 0.3335



67.3290, 0.3081, 0.3342



67.3290, 0.3064, 0.3194

# Complementary

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



67.3290, 0.3237, 0.3335



69.3565, 0.3024, 0.3245

# 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.



67.3290, 0.3028, 0.3208



67.3290, 0.3237, 0.3335



67.3290, 0.3038, 0.3293

# Square

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



67.3290, 0.3237, 0.3335



67.3290, 0.3137, 0.3377



67.3290, 0.3019, 0.3244



67.3290, 0.3117, 0.3206

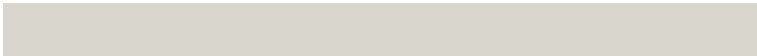


# Rectangle

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



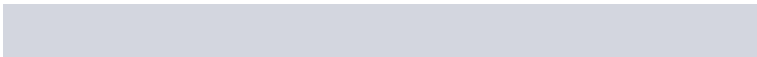
67.3290, 0.3237, 0.3335



67.3290, 0.3205, 0.3385



67.3290, 0.3019, 0.3244



67.3290, 0.3050, 0.3196

# Sweetspot

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



67.3319, 0.3237, 0.3335



97.3225, 0.3159, 0.3303



65.8944, 0.3163, 0.3170



20.8591, 0.3157, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

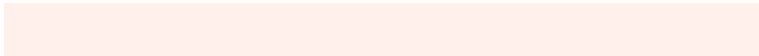


# Same Dimension

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



67.3319, 0.3237, 0.3335



89.6155, 0.3260, 0.3344



71.1460, 0.3230, 0.3416



14.2990, 0.3285, 0.3354



11.2941, 0.6027, 0.3596

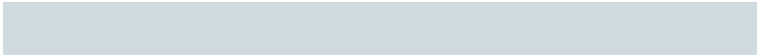


0.9290, 0.5723, 0.3838

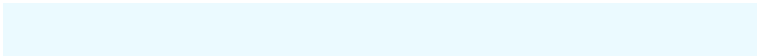


# Inverse Universe

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



69.3565, 0.3024, 0.3245



92.8736, 0.3003, 0.3235



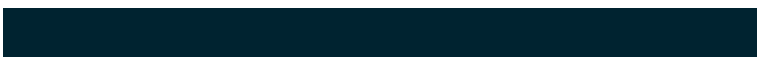
65.5552, 0.3024, 0.3160



14.9142, 0.2982, 0.3225



18.6998, 0.1998, 0.2393

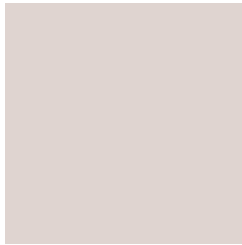


1.4418, 0.2041, 0.2548



# Previews

## White Background



This preview shows how the Yxy color 67.3290, 0.3237, 0.3335 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 67.3290, 0.3237, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

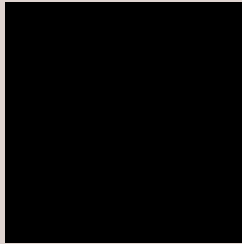
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

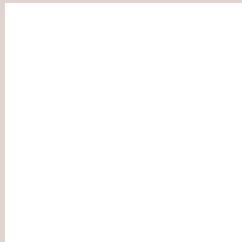
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.3290, 0.3237, 0.3335**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3290, 0.3237, 0.3335.

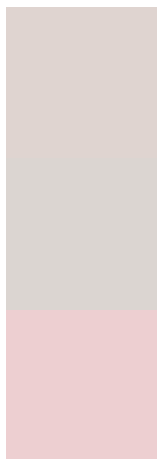


This preview shows how white text looks on a background with the Yxy color 67.3290, 0.3237, 0.3335.

# 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

67.3290, 0.3237, 0.3335

### Protanopia

67.2520, 0.3199, 0.3335

### Deuteranopia

67.2336, 0.3343, 0.3269



## Tritanopia

67.2607, 0.3136, 0.3107

# Trichromacy



## Original Color

67.3290, 0.3237, 0.3335

## Protanomaly

67.4076, 0.3207, 0.3335

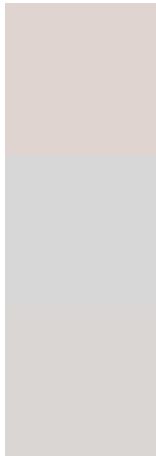
## Deuteranomaly

67.3602, 0.3302, 0.3291

## Tritanomaly

67.2152, 0.3176, 0.3192

# Monochromacy



## Original Color

67.3290, 0.3237, 0.3335

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.7520, 0.3170, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.3290, 0.3237, 0.3335 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, 212, 208)` looks like.

```
.text, #text, p{  
    color:rgb(223, 212, 208)  
}
```

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, 212, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 212, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3290, 0.3237, 0.3335 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, 212, 208) }
```

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

```
.border{ border-color:rgb(223, 212, 208) }
```

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

Here you see how a box with a 4 pixel rgb(223, 212, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 212, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 212, 208);  
box-shadow:4px 4px 4px 4px rgb(223, 212,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3290, 0.3237, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 212, 208) }
```

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

```
.background{ background-color: rgb(223,  
212, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor