

# Converting Colors

$Y_{xy}(70.1263, 0.3212, 0.3321)$

Have a look what the booklet for  
Yxy(70.1263, 0.3212, 0.3321)  
contains.

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# Color

**Yxy(69.9234, 0.3213, 0.3323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D8D5
RGB	225, 216, 213
RGB Percent	88%, 85%, 84%
CMY	0.1178, 0.1529, 0.1647
CMYK	0.00, 0.04, 0.05, 0.12
HSL	15°, 17%, 86%
HSV	15°, 5%, 88%
XYZ	67.6088, 69.9234, 72.8904
YIQ	218.3490, 6.3270, 0.9750

# Conversions

## Conversions Part 2

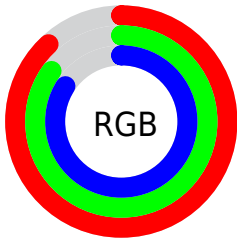
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 217, 213
Decimal	14801109
CIE Lab	86.96, 2.54, 2.56
CIE LCh	87, 3.607, 45.180
Yxy	69.9234, 0.3213, 0.3323
Android (android.graphics.Color)	4292991189 (0xFFE1D8D5)
YUV	218.3490, -2.6371, 5.8329
Hunter-Lab	83.6202, -2.0143, 6.8520

# Details

The Yxy color **69.9234, 0.3213, 0.3323** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7994, 0.3045, 0.3257**, and the grayscale version is **70.3784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5044, 0.3241, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **60.6721, 0.3399, 0.3389**, and if you desaturate by 10%, it is **80.2232, 0.3058, 0.3262**.

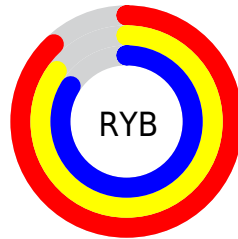
# Distribution



Red (88%)

Green (85%)

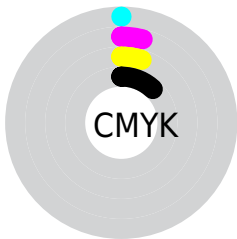
Blue (84%)



Red (88%)

Yellow (85%)

Blue (84%)

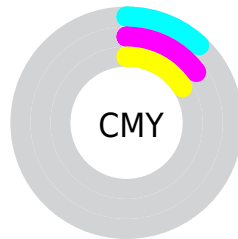


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (12%)



Cyan (12%)

Magenta (15%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9234, 0.3213, 0.3323 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 69.9234, 0.3213, 0.3323 by changing the saturation by 10% instead.



■ 69.9234, 0.3213,  
0.3323

■ 69.9234, 0.3213,  
0.3323

460.2810, 0.3173,  
0.3308

■ 51.4641, 0.3222,  
0.3326

119.0995, 0.3199,  
0.3318

■ 36.5781, 0.3234,  
0.3331

150.5851, 0.3194,  
0.3316

■ 24.8810, 0.3248,  
0.3336

187.1816, 0.3189,  
0.3314

■ 15.9884, 0.3268,  
0.3343

229.2733, 0.3185,  
0.3312

■ 9.5160, 0.3295,  
0.3353

277.2448, 0.3181,  
0.3311

■ 5.0792, 0.3334,  
0.3367

331.4802, 0.3178,

■ 2.2938, 0.3397,

0.3310

0.3389

392.3642, 0.3175,  
0.3309

0.7704, 0.3570,  
0.3463

0.0000, 0.0000,  
0.0000

69.9234, 0.3213,  
0.3323

69.9234, 0.3213,  
0.3323

60.6721, 0.3399,  
0.3389

80.2232, 0.3058,  
0.3262

52.4270, 0.3622,  
0.3458

91.3987, 0.2945,  
0.3236

45.1567, 0.3886,  
0.3528

94.7410, 0.2946,  
0.3289

38.8243, 0.4196,  
0.3595

■ 33.3908, 0.4549,  
0.3652

■ 28.8143, 0.4935,  
0.3689

■ 25.0493, 0.5329,  
0.3695

■ 22.0458, 0.5693,  
0.3661

■ 19.7475, 0.5983,  
0.3585

# Harmonies

## Analogous

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



69.9234, 0.3196, 0.3285



69.9234, 0.3213, 0.3323



69.9234, 0.3207, 0.3353

# Triad

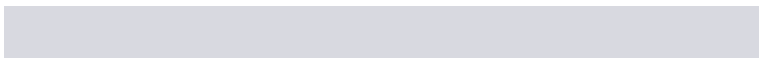
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9234, 0.3213, 0.3323



69.9234, 0.3094, 0.3333



69.9234, 0.3075, 0.3215

# Complementary

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



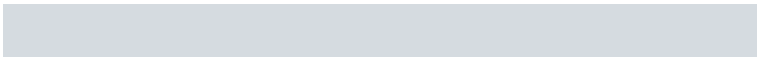
69.9234, 0.3213, 0.3323



71.7994, 0.3045, 0.3257

# 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.



69.9234, 0.3048, 0.3227



69.9234, 0.3213, 0.3323



69.9234, 0.3059, 0.3295

# Square

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



69.9234, 0.3213, 0.3323



69.9234, 0.3138, 0.3359



69.9234, 0.3042, 0.3256



69.9234, 0.3116, 0.3222



# Rectangle

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



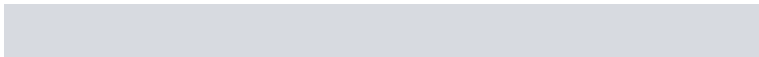
69.9234, 0.3213, 0.3323



69.9234, 0.3191, 0.3364



69.9234, 0.3042, 0.3256



69.9234, 0.3064, 0.3217

# Sweetspot

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



69.9264, 0.3213, 0.3323



97.2648, 0.3159, 0.3302



68.8676, 0.3154, 0.3193



20.8474, 0.3157, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

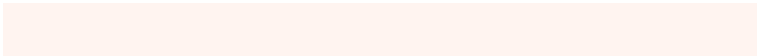


# Same Dimension

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



69.9264, 0.3213, 0.3323



91.9643, 0.3225, 0.3328



73.0335, 0.3208, 0.3387



14.8390, 0.3235, 0.3331



11.0461, 0.6068, 0.3564



0.9070, 0.5764, 0.3805

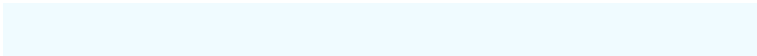


# Inverse Universe

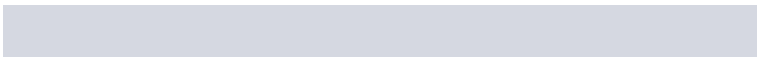
The Inverse Universe completely reimagines the original color for something new.



71.7994, 0.3045, 0.3257



94.7810, 0.3034, 0.3252



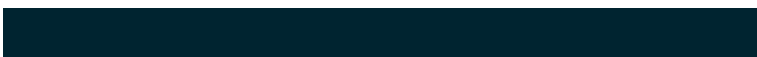
68.6926, 0.3046, 0.3191



15.3383, 0.3025, 0.3248



19.5475, 0.2016, 0.2457

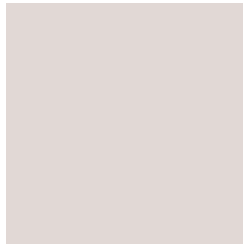


1.4946, 0.2056, 0.2600



# Previews

## White Background



This preview shows how the Yxy color 69.9234, 0.3213, 0.3323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

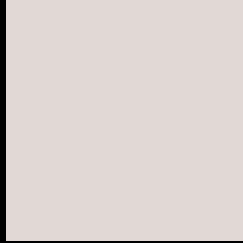
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9234, 0.3213, 0.3323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

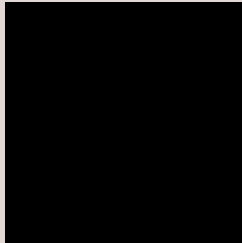
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

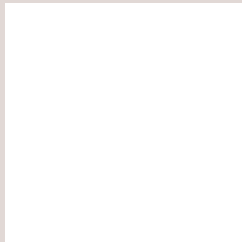
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9234, 0.3213, 0.3323**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9234, 0.3213, 0.3323.

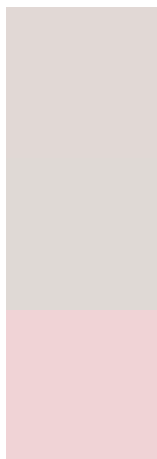


This preview shows how white text looks on a background with the Yxy color 69.9234, 0.3213, 0.3323.

# 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

69.9234, 0.3213, 0.3323

### Protanopia

70.1178, 0.3198, 0.3334

### Deuteranopia

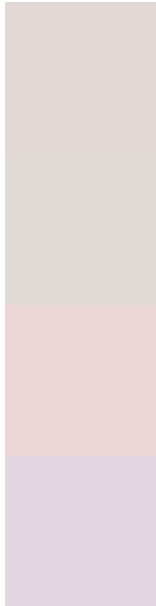
69.9688, 0.3324, 0.3259



## Tritanopia

69.6326, 0.3114, 0.3108

# Trichromacy



## Original Color

69.9234, 0.3213, 0.3323

## Protanomaly

70.2771, 0.3205, 0.3334

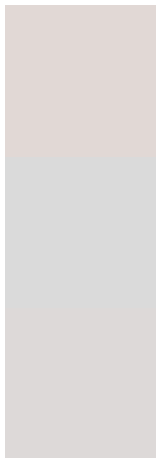
## Deuteranomaly

70.1057, 0.3284, 0.3280

## Tritanomaly

69.6437, 0.3147, 0.3182

# Monochromacy



## Original Color

69.9234, 0.3213, 0.3323

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.9557, 0.3163, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9234, 0.3213, 0.3323 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(225, 216, 213) looks like.

```
.text, #text, p{  
    color:rgb(225, 216, 213)  
}
```

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(225, 216, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 216, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9234, 0.3213, 0.3323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

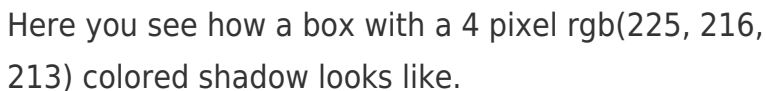
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 216, 213) }
```

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

```
.border{ border-color:rgb(225, 216, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 216, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 216, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 216, 213);  
box-shadow:4px 4px 4px 4px rgb(225, 216,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9234, 0.3213, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 216, 213) }
```

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

```
.background{ background-color: rgb(225,  
216, 213) }
```

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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