

# Converting Colors

$Yxy(69.7572, 0.3116, 0.3260)$

Have a look what the booklet for  
Yxy(69.7572, 0.3116, 0.3260)  
contains.

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# Color

**Yxy(69.6984, 0.3114, 0.3257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAD9DC
RGB	218, 217, 220
RGB Percent	85%, 85%, 86%
CMY	0.1452, 0.1490, 0.1372
CMYK	0.01, 0.01, 0.00, 0.14
HSL	259°, 4%, 86%
HSV	259°, 1%, 86%
XYZ	66.6383, 69.6984, 77.6590
YIQ	217.6410, -0.3670, 1.1450

# Conversions

## Conversions Part 2

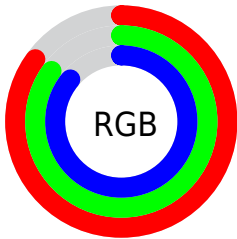
Format	Color
R <sub>Y</sub> B	218, 217, 220
Decimal	14342620
CIE Lab	86.85, 0.87, -1.37
CIE LCh	87, 1.622, 302.546
Yxy	69.6984, 0.3114, 0.3257
Android (android.graphics.Color)	4292532700 (0xFFDAD9DC)
YUV	217.6410, 1.1630, 0.3148
Hunter-Lab	83.4856, -3.6209, 3.2878

# Details

The Yxy color **69.6984, 0.3114, 0.3257** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2730, 0.3140, 0.3323**, and the grayscale version is **69.8422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3438, 0.3110, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **56.8952, 0.3009, 0.3000**, and if you desaturate by 10%, it is **84.2290, 0.3204, 0.3488**.

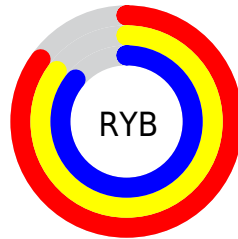
# Distribution



Red (85%)

Green (85%)

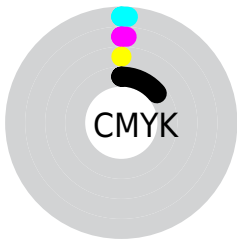
Blue (86%)



Red (85%)

Yellow (85%)

Blue (86%)

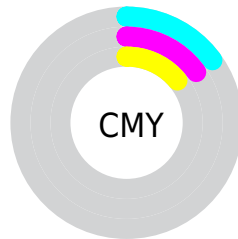


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (14%)



Cyan (15%)

Magenta (15%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6984, 0.3114, 0.3257 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 69.6984, 0.3114, 0.3257 by changing the saturation by 10% instead.



■ 69.6984, 0.3114,  
0.3257

■ 69.6984, 0.3114,  
0.3257

459.4903, 0.3120,  
0.3272

■ 51.2807, 0.3113,  
0.3253

118.7786, 0.3116,  
0.3262

■ 36.4320, 0.3111,  
0.3249

150.2098, 0.3117,  
0.3264

■ 24.7681, 0.3109,  
0.3243

186.7477, 0.3118,  
0.3266

■ 15.9043, 0.3106,  
0.3236

228.7766, 0.3118,  
0.3268

■ 9.4565, 0.3101,  
0.3226

276.6809, 0.3119,  
0.3269

■ 5.0401, 0.3095,  
0.3211

330.8450, 0.3119,

■ 2.2708, 0.3085,

0.3270

391.6534, 0.3120,  
0.3272

0.3187

0.7582, 0.3064,  
0.3131

0.0000, 0.0000,  
0.0000

69.6984, 0.3114,  
0.3257

69.6984, 0.3114,  
0.3257

56.8952, 0.3009,  
0.3000

84.2290, 0.3204,  
0.3488

45.7456, 0.2887,  
0.2718

96.6403, 0.3288,  
0.3636

36.1834, 0.2749,  
0.2413

97.9480, 0.3333,  
0.3631

28.1347, 0.2596,  
0.2095

■ 21.5195, 0.2431,  
0.1774

■ 16.2504, 0.2261,  
0.1466

■ 12.2299, 0.2094,  
0.1191

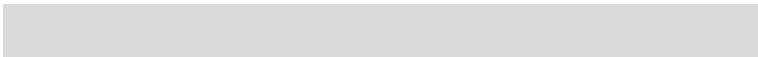
■ 9.3468, 0.1940,  
0.0967

■ 7.4694, 0.1808,  
0.0808

# Harmonies

## Analogous

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



69.6984, 0.3098, 0.3257



69.6984, 0.3114, 0.3257



69.6984, 0.3134, 0.3265

# Triad

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



69.6984, 0.3114, 0.3257



69.6984, 0.3165, 0.3314



69.6984, 0.3102, 0.3300

# Complementary

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



69.6984, 0.3114, 0.3257



71.2730, 0.3140, 0.3323

# 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.



69.6984, 0.3120, 0.3315



69.6984, 0.3114, 0.3257



69.6984, 0.3157, 0.3323

# Square

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



69.6984, 0.3114, 0.3257



69.6984, 0.3164, 0.3298



69.6984, 0.3140, 0.3324



69.6984, 0.3091, 0.3282



# Rectangle

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



69.6984, 0.3114, 0.3257



69.6984, 0.3147, 0.3275



69.6984, 0.3140, 0.3324



69.6984, 0.3108, 0.3306

# Sweetspot

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



69.7014, 0.3114, 0.3257

100.0000, 0.3127, 0.3290



70.6179, 0.3106, 0.3280



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



69.7014, 0.3114, 0.3257



96.1354, 0.3108, 0.3241



69.9330, 0.3125, 0.3257



14.9270, 0.3109, 0.3244



3.8489, 0.1729, 0.0726



0.2947, 0.1908, 0.0825



# Inverse Universe

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



69.9682, 0.3135, 0.3268



96.6851, 0.3139, 0.3257



71.0420, 0.3130, 0.3323



15.0066, 0.3138, 0.3259



10.2441, 0.4209, 0.2092

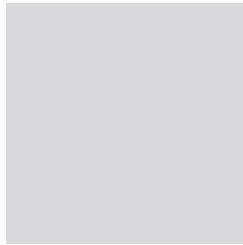


0.6791, 0.4006, 0.1981



# Previews

## White Background



This preview shows how the Yxy color 69.6984, 0.3114, 0.3257 looks on a white background.

## Color Contrast Check

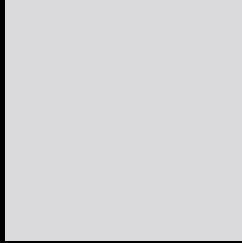
Large Text (above 18pt) WCAG AA × Fail

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 69.6984, 0.3114, 0.3257 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

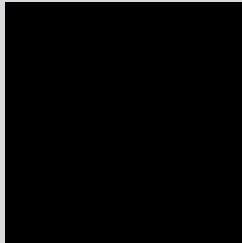
Any Text WCAG AAA ✓ Pass

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

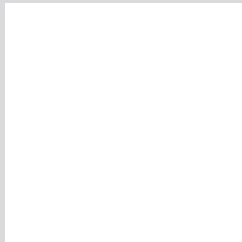


**Yxy 69.6984, 0.3114, 0.3257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6984, 0.3114, 0.3257.

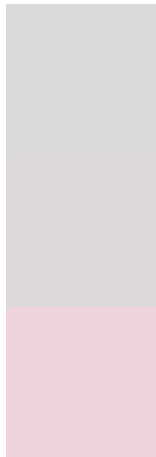


This preview shows how white text looks on a background with the Yxy color 69.6984, 0.3114, 0.3257.

# 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

69.6984, 0.3114, 0.3257

### Protanopia

69.4947, 0.3129, 0.3246

### Deuteranopia

69.8135, 0.3251, 0.3185



## Tritanopia

69.6427, 0.3050, 0.3106

# Trichromacy



## Original Color

69.6984, 0.3114, 0.3257

## Protanomaly

69.3391, 0.3122, 0.3246

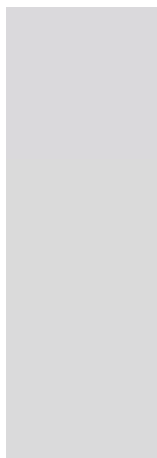
## Deuteranomaly

69.6320, 0.3197, 0.3204

## Tritanomaly

69.7732, 0.3069, 0.3159

# Monochromacy



## Original Color

69.6984, 0.3114, 0.3257

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.1627, 0.3121, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  69.6984, 0.3114, 0.3257 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(218, 217, 220)` looks like.

```
.text, #text, p{  
    color:rgb(218, 217, 220)  
}
```

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(218, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 217, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6984, 0.3114, 0.3257 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(218, 217, 220) }
```

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

```
.border{ border-color:rgb(218, 217, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(218, 217,  
220) }
```

# Background

The CSS property to change the background color of an element to Yxy 69.6984, 0.3114, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 217, 220) }
```

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

```
.background{ background-color: rgb(218,  
217, 220) }
```

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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