

# Converting Colors

$Y_{xy}(71.3167, 0.3125, 0.3253)$

Have a look what the booklet for  
Yxy(71.3167, 0.3125, 0.3253)  
contains.

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# Color

**Yxy(71.4666, 0.3129, 0.3257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDBDE
RGB	222, 219, 222
RGB Percent	87%, 86%, 87%
CMY	0.1292, 0.1412, 0.1293
CMYK	0.00, 0.01, 0.00, 0.13
HSL	301°, 4%, 86%
HSV	301°, 1%, 87%
XYZ	68.6580, 71.4666, 79.3001
YIQ	220.2390, 0.8250, 1.5690

# Conversions

## Conversions Part 2

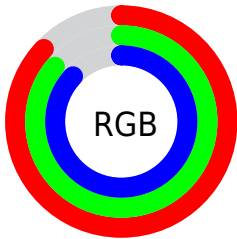
Format	Color
R <sub>Y</sub> B	222, 219, 222
Decimal	14605278
CIE Lab	87.71, 1.60, -1.13
CIE LCh	88, 1.957, 324.727
Yxy	71.4666, 0.3129, 0.3257
Android (android.graphics.Color)	4292795358 (0xFFDEDBDE)
YUV	220.2390, 0.8682, 1.5444
Hunter-Lab	84.5379, -2.9715, 3.5601

# Details

The Yxy color **71.4666, 0.3129, 0.3257** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.4511, 0.3125, 0.3323**, and the grayscale version is **71.7477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5564, 0.3129, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **60.6308, 0.3143, 0.3015**, and if you desaturate by 10%, it is **83.8542, 0.3116, 0.3489**.

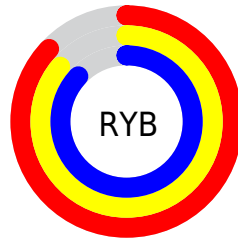
# Distribution



Red (87%)

Green (86%)

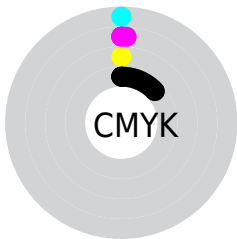
Blue (87%)



Red (87%)

Yellow (86%)

Blue (87%)

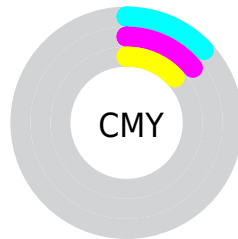


Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (13%)



Cyan (13%)

Magenta (14%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4666, 0.3129, 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 71.4666, 0.3129, 0.3257 by changing the saturation by 10% instead.



■ 71.4666, 0.3129,  
0.3257

■ 71.4666, 0.3129,  
0.3257

465.6829, 0.3128,  
0.3272

■ 52.7231, 0.3129,  
0.3253

121.2979, 0.3129,  
0.3262

■ 37.5817, 0.3129,  
0.3249

153.1544, 0.3129,  
0.3264

■ 25.6582, 0.3130,  
0.3244

190.1507, 0.3129,  
0.3266

■ 16.5681, 0.3130,  
0.3236

232.6712, 0.3128,  
0.3268

■ 9.9271, 0.3130,  
0.3226

281.1003, 0.3128,  
0.3269

■ 5.3506, 0.3131,  
0.3212

335.8223, 0.3128,

■ 2.4544, 0.3132,

0.3270

0.3189

397.2217, 0.3128,  
0.3271

0.8537, 0.3134,  
0.3146

0.0000, 0.0000,  
0.0000

71.4666, 0.3129,  
0.3257

71.4666, 0.3129,  
0.3257

60.6308, 0.3143,  
0.3015

83.8542, 0.3116,  
0.3489

51.2767, 0.3157,  
0.2767

92.3670, 0.3108,  
0.3626

43.3428, 0.3172,  
0.2522

92.3828, 0.3106,  
0.3623

36.7595, 0.3186,  
0.2288

92.3987, 0.3105,  
0.3620

31.4515, 0.3200,  
0.2075

92.4146, 0.3103,  
0.3617

27.3360, 0.3212,  
0.1892

92.4305, 0.3101,  
0.3614

24.3205, 0.3223,  
0.1747

92.4464, 0.3100,  
0.3610

22.2990, 0.3232,  
0.1644

92.4624, 0.3098,  
0.3607

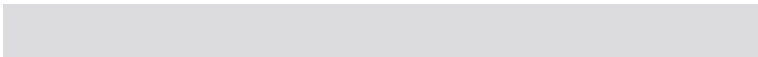
21.1446, 0.3238,  
0.1585

92.4784, 0.3096,  
0.3604

# Harmonies

## Analogous

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



71.4666, 0.3106, 0.3250



71.4666, 0.3129, 0.3257



71.4666, 0.3152, 0.3273

# Triad

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



71.4666, 0.3129, 0.3257



71.4666, 0.3167, 0.3328



71.4666, 0.3086, 0.3286

# Complementary

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



71.4666, 0.3129, 0.3257



72.4511, 0.3125, 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.



71.4666, 0.3103, 0.3307



71.4666, 0.3129, 0.3257



71.4666, 0.3149, 0.3331

# Square

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



71.4666, 0.3129, 0.3257



71.4666, 0.3174, 0.3314



71.4666, 0.3125, 0.3324



71.4666, 0.3081, 0.3266



# Rectangle

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



71.4666, 0.3129, 0.3257



71.4666, 0.3164, 0.3287



71.4666, 0.3125, 0.3324



71.4666, 0.3091, 0.3293

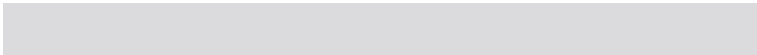
# Sweetspot

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



71.4697, 0.3129, 0.3257

100.0000, 0.3127, 0.3290



70.9892, 0.3107, 0.3256



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.



71.4697, 0.3129, 0.3257



96.7847, 0.3130, 0.3242



71.3895, 0.3139, 0.3273



15.7739, 0.3130, 0.3245



12.2656, 0.3242, 0.1560



0.8512, 0.3237, 0.1557



# Inverse Universe

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



71.4697, 0.3129, 0.3257



96.7847, 0.3130, 0.3242



72.5305, 0.3116, 0.3307



15.7739, 0.3130, 0.3245



12.2656, 0.3242, 0.1560

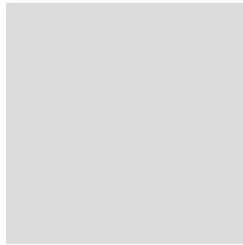


0.8512, 0.3237, 0.1557



# Previews

## White Background



This preview shows how the Yxy color 71.4666, 0.3129, 0.3257 looks on a white background.

## Color Contrast Check

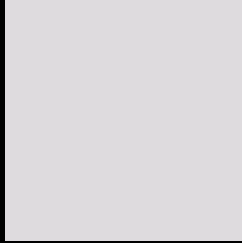
Large Text (above 18pt) WCAG AA × Fail

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 71.4666, 0.3129, 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

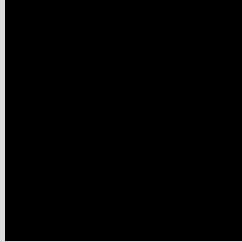
Any Text WCAG AAA ✓ Pass

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

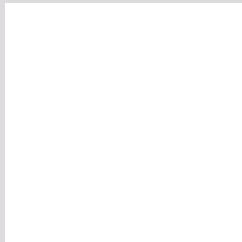


**Yxy 71.4666, 0.3129, 0.3257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4666, 0.3129, 0.3257.

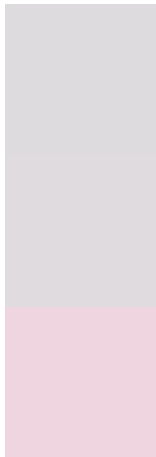


This preview shows how white text looks on a background with the Yxy color 71.4666, 0.3129, 0.3257.

# 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

71.4666, 0.3129, 0.3257

### Protanopia

71.6249, 0.3136, 0.3258

### Deuteranopia

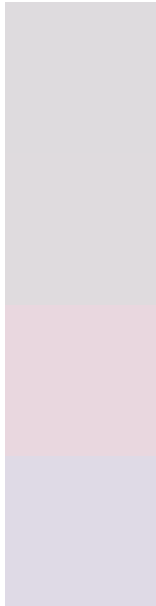
71.2669, 0.3250, 0.3186



## Tritanopia

71.4135, 0.3065, 0.3109

# Trichromacy



## Original Color

71.4666, 0.3129, 0.3257

## Protanomaly

71.6249, 0.3136, 0.3258

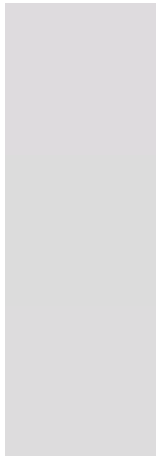
## Deuteranomaly

71.2522, 0.3204, 0.3205

## Tritanomaly

71.5440, 0.3083, 0.3161

# Monochromacy



## Original Color

71.4666, 0.3129, 0.3257

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.7790, 0.3128, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4666, 0.3129, 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(222, 219, 222)` looks like.

```
.text, #text, p{  
    color:rgb(222, 219, 222)  
}
```

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(222, 219, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 219, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4666, 0.3129, 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(222, 219, 222) }
```

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

```
.border{ border-color:rgb(222, 219, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 219, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 219, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 219, 222);  
box-shadow:4px 4px 4px 4px rgb(222, 219,  
222) }
```

# Background

The CSS property to change the background color of an element to Yxy 71.4666, 0.3129, 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(222, 219, 222) }
```

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

```
.background{ background-color: rgb(222,  
219, 222) }
```

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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