

# Converting Colors

$Yxy(63.7295, 0.3124, 0.3062)$

Have a look what the booklet for  
Yxy(63.7295, 0.3124, 0.3062)  
contains.

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# Color

**Yxy(63.6233, 0.3123, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DECBE0
RGB	222, 203, 224
RGB Percent	87%, 80%, 88%
CMY	0.1294, 0.2039, 0.1217
CMYK	0.01, 0.09, 0.00, 0.12
HSL	294°, 25%, 84%
HSV	294°, 9%, 88%
XYZ	64.9332, 63.6233, 79.3628
YIQ	211.0750, 4.5830, 10.5590

# Conversions

## Conversions Part 2

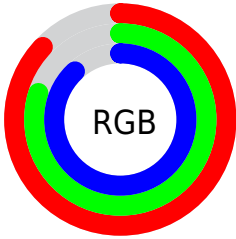
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 203, 224
Decimal	14601184
CIE Lab	83.77, 10.33, -7.97
CIE LCh	84, 13.046, 322.320
Yxy	63.6233, 0.3123, 0.3060
Android (android.graphics.Color)	4292791264 (0xFFDECBE0)
YUV	211.0750, 6.3720, 9.5812
Hunter-Lab	79.7642, 5.7231, -3.1567

# Details

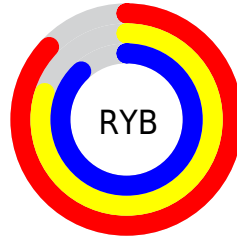
The Yxy color  $63.6233, 0.3123, 0.3060$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $70.5878, 0.3130, 0.3529$ , and the grayscale version is  $65.1497, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $32.5750, 0.3121, 0.3003$  is the 20% darker color. If you saturate the color by 10%, you get  $53.4694, 0.3116, 0.2806$ , and if you desaturate by 10%, it is  $75.3151, 0.3127, 0.3305$ .

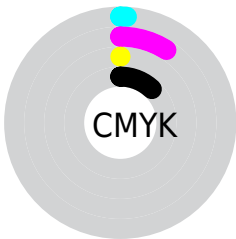
# Distribution



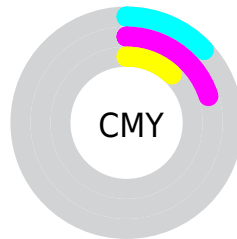
- Red (87%)
- Green (80%)
- Blue (88%)



- Red (87%)
- Yellow (80%)
- Blue (88%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)




- Cyan (13%)
- Magenta (20%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6233, 0.3123, 0.3060 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 63.6233, 0.3123, 0.3060 by changing the saturation by 10% instead.




 63.6233, 0.3123,  
0.3060

 63.6233, 0.3123,  
0.3060

437.8280, 0.3126,  
0.3167

 46.3456, 0.3122,  
0.3035

110.0682, 0.3124,  
0.3097

 32.5187, 0.3121,  
0.3005


140.0043, 0.3125,  
0.3112

 21.7580, 0.3119,  
0.2966


174.9287, 0.3125,  
0.3124

 13.6792, 0.3117,  
0.2915

215.2256, 0.3125,  
0.3135

 7.8979, 0.3113,  
0.2844

261.2797, 0.3125,  
0.3145

 4.0297, 0.3106,  
0.2742

313.4752, 0.3126,

 1.6902, 0.3091,

0.3153

0.2579

372.1965, 0.3126,  
0.3161

0.4173, 0.3121,  
0.2008

0.0000, 0.0000,  
0.0000

63.6233, 0.3123,  
0.3060

63.6233, 0.3123,  
0.3060

53.4694, 0.3116,  
0.2806

75.3151, 0.3127,  
0.3305

44.7798, 0.3107,  
0.2550

88.5979, 0.3130,  
0.3537

37.4875, 0.3095,  
0.2299

93.4479, 0.3139,  
0.3608

31.5168, 0.3080,  
0.2065

93.7952, 0.3152,  
0.3607

■ 26.7847, 0.3062,  
0.1856

■ 94.1467, 0.3166,  
0.3605

■ 23.1991, 0.3042,  
0.1682

■ 94.5024, 0.3179,  
0.3604

■ 20.6550, 0.3020,  
0.1550

■ 94.8623, 0.3192,  
0.3603

■ 19.0278, 0.2996,  
0.1462

■ 95.2266, 0.3206,  
0.3602

■ 18.1148, 0.2972,  
0.1413

■ 95.5951, 0.3219,  
0.3600

# Harmonies

## Analogous

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



63.6233, 0.2965, 0.3014



63.6233, 0.3123, 0.3060



63.6233, 0.3286, 0.3163

# Triad

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



63.6233, 0.3123, 0.3060



63.6233, 0.3408, 0.3542



63.6233, 0.2853, 0.3270

# Complementary

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



63.6233, 0.3123, 0.3060



70.5878, 0.3130, 0.3529

# 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.



63.6233, 0.2967, 0.3421



63.6233, 0.3123, 0.3060



63.6233, 0.3286, 0.3580

# Square

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



63.6233, 0.3123, 0.3060



63.6233, 0.3453, 0.3438



63.6233, 0.3125, 0.3536



63.6233, 0.2812, 0.3129



# Rectangle

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



63.6233, 0.3123, 0.3060



63.6233, 0.3375, 0.3253



63.6233, 0.3125, 0.3536



63.6233, 0.2884, 0.3321

# Sweetspot

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



63.6260, 0.3123, 0.3060



95.0796, 0.3126, 0.3217



61.7902, 0.2982, 0.3074



20.0765, 0.3126, 0.3197



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.



63.6260, 0.3123, 0.3060



82.8939, 0.3122, 0.3017



63.4954, 0.3198, 0.3152



13.8667, 0.3123, 0.3058



10.5447, 0.2974, 0.1412



0.7503, 0.3013, 0.1433

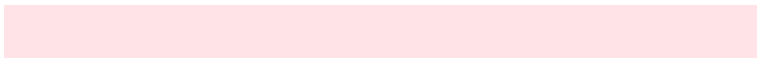


# Inverse Universe

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



62.9654, 0.3276, 0.3268



81.8609, 0.3307, 0.3264



70.7200, 0.3062, 0.3433



13.7214, 0.3277, 0.3268



9.2633, 0.6289, 0.3238

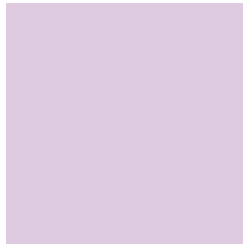


0.6494, 0.6013, 0.3086



# Previews

## White Background



This preview shows how the Yxy color 63.6233, 0.3123, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

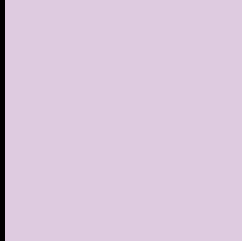
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.6233, 0.3123, 0.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

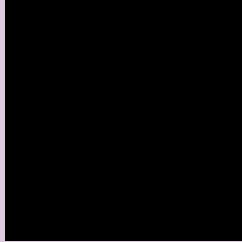
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.6233, 0.3123, 0.3060**

## Background



This preview shows how black text looks on a background with the Yxy color 63.6233, 0.3123, 0.3060.



This preview shows how white text looks on a background with the Yxy color 63.6233, 0.3123, 0.3060.

# 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

63.6233, 0.3123, 0.3060

### Protanopia

63.9232, 0.2991, 0.3076

### Deuteranopia

63.6233, 0.3123, 0.3060



## Tritanopia

63.7252, 0.3143, 0.3113

# Trichromacy



## Original Color

63.6233, 0.3123, 0.3060

## Protanomaly

63.6306, 0.3034, 0.3067

## Deuteranomaly

63.6233, 0.3123, 0.3060

## Tritanomaly

63.7783, 0.3136, 0.3103

# Monochromacy



## Original Color

63.6233, 0.3123, 0.3060

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.5167, 0.3124, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6233, 0.3123, 0.3060 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, 203, 224)` looks like.

```
.text, #text, p{  
    color:rgb(222, 203, 224)  
}
```

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, 203, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 203, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6233, 0.3123, 0.3060 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, 203, 224) }
```

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

```
.border{ border-color:rgb(222, 203, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 203, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 203, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 203, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 203,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6233, 0.3123, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 203, 224) }
```

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

```
.background{ background-color: rgb(222,  
203, 224) }
```

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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