

# Converting Colors

Yxy(68.9723, 0.3155, 0.3068)

Have a look what the booklet for  
Yxy(68.9723, 0.3155, 0.3068)  
contains.

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# Color

**Yxy(69.1863, 0.3152, 0.3069)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9D2E7
RGB	233, 210, 231
RGB Percent	91%, 82%, 91%
CMY	0.0865, 0.1764, 0.0942
CMYK	0.00, 0.10, 0.01, 0.09
HSL	305°, 34%, 87%
HSV	305°, 10%, 91%
XYZ	71.0574, 69.1863, 85.1923
YIQ	219.2710, 6.9670, 11.4070

# Conversions

## Conversions Part 2

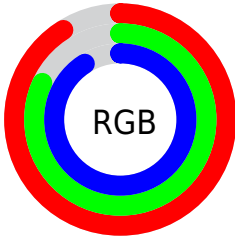
Format	Color
R <sub>Y</sub> B	233, 210, 231
Decimal	15323879
CIE Lab	86.60, 11.57, -7.40
CIE LCh	87, 13.736, 327.387
Yxy	69.1863, 0.3152, 0.3069
Android (android.graphics.Color)	4293513959 (0xFFE9D2E7)
YUV	219.2710, 5.7824, 12.0403
Hunter-Lab	83.1783, 6.9266, -2.5007

# Details

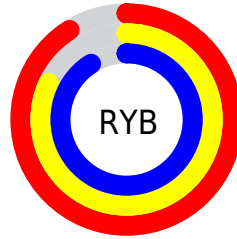
The Yxy color **69.1863, 0.3152, 0.3069** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.7039, 0.3103, 0.3521**, and the grayscale version is **70.9885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2192, 0.3159, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **58.3978, 0.3180, 0.2838**, and if you desaturate by 10%, it is **81.6563, 0.3127, 0.3294**.

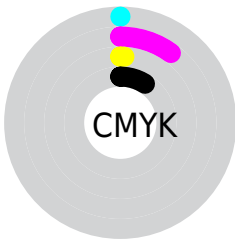
# Distribution



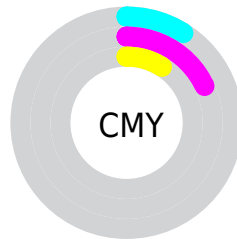
- Red (91%)
- Green (82%)
- Blue (91%)



- Red (91%)
- Yellow (82%)
- Blue (91%)



- Cyan (0%)
- Magenta (10%)
- Yellow (1%)
- Black (9%)




- Cyan (9%)
- Magenta (18%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1863, 0.3152, 0.3069 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 69.1863, 0.3152, 0.3069 by changing the saturation by 10% instead.




 69.1863, 0.3152,  
0.3069

 69.1863, 0.3152,  
0.3069


457.6878, 0.3141,  
0.3171

 50.8634, 0.3154,  
0.3046


118.0476, 0.3148,  
0.3104

 36.0999, 0.3157,  
0.3018


149.3549, 0.3147,  
0.3118

 24.5114, 0.3160,  
0.2982


185.7591, 0.3146,  
0.3130

 15.7134, 0.3165,  
0.2935

227.6446, 0.3145,  
0.3140

 9.3216, 0.3170,  
0.2872

275.3958, 0.3144,  
0.3149

 4.9515, 0.3177,  
0.2782

329.3972, 0.3143,

 2.2188, 0.3185,

0.3157

0.2643

390.0330, 0.3142,  
0.3164

0.7302, 0.3204,  
0.2378

0.0000, 0.0000,  
0.0000

69.1863, 0.3152,  
0.3069

69.1863, 0.3152,  
0.3069

58.3978, 0.3180,  
0.2838

81.6563, 0.3127,  
0.3294

49.2098, 0.3211,  
0.2607

94.8304, 0.3105,  
0.3492

41.5480, 0.3244,  
0.2383

94.9465, 0.3094,  
0.3471

35.3289, 0.3279,  
0.2176

95.0639, 0.3082,  
0.3451

30.4606, 0.3314,  
0.1995

95.1827, 0.3071,  
0.3430

26.8412, 0.3349,  
0.1850

95.3027, 0.3060,  
0.3410

24.3538, 0.3382,  
0.1748

95.4240, 0.3049,  
0.3390

22.8598, 0.3413,  
0.1690

95.5467, 0.3038,  
0.3370

22.1261, 0.3440,  
0.1669

95.6707, 0.3026,  
0.3350

# Harmonies

## Analogous

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



69.1863, 0.2986, 0.3010



69.1863, 0.3152, 0.3069



69.1863, 0.3315, 0.3183

# Triad

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



69.1863, 0.3152, 0.3069



69.1863, 0.3398, 0.3560



69.1863, 0.2834, 0.3243

# Complementary

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



69.1863, 0.3152, 0.3069



76.7039, 0.3103, 0.3521

# 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.



69.1863, 0.2939, 0.3399



69.1863, 0.3152, 0.3069



69.1863, 0.3264, 0.3585

# Square

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



69.1863, 0.3152, 0.3069



69.1863, 0.3459, 0.3463



69.1863, 0.3096, 0.3527



69.1863, 0.2806, 0.3105



# Rectangle

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



69.1863, 0.3152, 0.3069



69.1863, 0.3399, 0.3276



69.1863, 0.3096, 0.3527



69.1863, 0.2862, 0.3295

# Sweetspot

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



69.1893, 0.3152, 0.3069



95.1736, 0.3134, 0.3223



65.9749, 0.2987, 0.3037



20.1020, 0.3136, 0.3205



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.



69.1893, 0.3152, 0.3069



81.8387, 0.3158, 0.3018



68.5659, 0.3232, 0.3188



15.2902, 0.3151, 0.3077



12.5655, 0.3437, 0.1667



0.9933, 0.3402, 0.1648



# Inverse Universe

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



69.1893, 0.3152, 0.3069



81.8387, 0.3158, 0.3018



77.2997, 0.3033, 0.3394



15.2902, 0.3151, 0.3077



12.5655, 0.3437, 0.1667

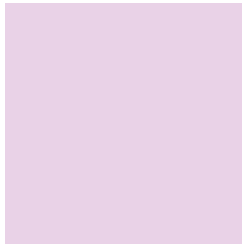


0.9933, 0.3402, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 69.1863, 0.3152, 0.3069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

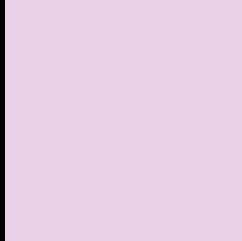
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1863, 0.3152, 0.3069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

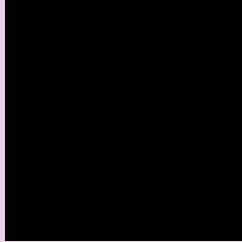
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

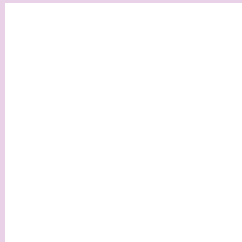
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.1863, 0.3152, 0.3069**

## Background



This preview shows how black text looks on a background with the Yxy color 69.1863, 0.3152, 0.3069.



This preview shows how white text looks on a background with the Yxy color 69.1863, 0.3152, 0.3069.

# 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

69.1863, 0.3152, 0.3069

### Protanopia

69.1403, 0.3009, 0.3083

### Deuteranopia

69.3470, 0.3137, 0.3078



## Tritanopia

69.2904, 0.3172, 0.3120

# Trichromacy



## Original Color

69.1863, 0.3152, 0.3069

## Protanomaly

69.0013, 0.3058, 0.3075

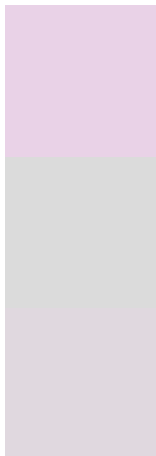
## Deuteranomaly

69.5139, 0.3144, 0.3079

## Tritanomaly

69.3458, 0.3165, 0.3110

# Monochromacy



## Original Color

69.1863, 0.3152, 0.3069

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.2867, 0.3138, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1863, 0.3152, 0.3069 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(233, 210, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 210, 231)  
}
```

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(233, 210, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 210, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1863, 0.3152, 0.3069 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(233, 210, 231) }
```

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

```
.border{ border-color:rgb(233, 210, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 210, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 210, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 210, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 210,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1863, 0.3152, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 210, 231) }
```

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

```
.background{ background-color: rgb(233,  
210, 231) }
```

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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