

# Converting Colors

$Y_{xy}(74.9234, 0.3124, 0.3204)$

Have a look what the booklet for  
Yxy(74.9234, 0.3124, 0.3204)  
contains.

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# Color

**Yxy(74.8351, 0.3125, 0.3195)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6DEE7
RGB	230, 222, 231
RGB Percent	90%, 87%, 91%
CMY	0.0978, 0.1295, 0.0941
CMYK	0.00, 0.04, 0.00, 0.09
HSL	294°, 16%, 89%
HSV	294°, 4%, 91%
XYZ	73.1955, 74.8351, 86.1950
YIQ	225.4180, 1.8790, 4.4950

# Conversions

## Conversions Part 2

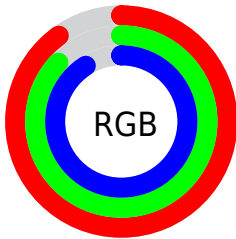
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 222, 231
Decimal	15130343
CIE Lab	89.32, 4.36, -3.43
CIE LCh	89, 5.547, 321.738
Yxy	74.8351, 0.3125, 0.3195
Android (android.graphics.Color)	4293320423 (0xFFE6DEE7)
YUV	225.4180, 2.7519, 4.0184
Hunter-Lab	86.5073, -0.3554, 1.4791

# Details

The Yxy color **74.8351, 0.3125, 0.3195** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.1069, 0.3129, 0.3386**, and the grayscale version is **75.5987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.8465, 0.3132, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **63.0014, 0.3118, 0.2944**, and if you desaturate by 10%, it is **88.3619, 0.3130, 0.3434**.

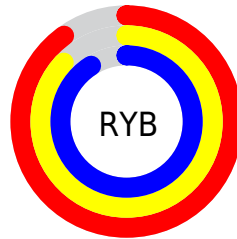
# Distribution



Red (90%)

Green (87%)

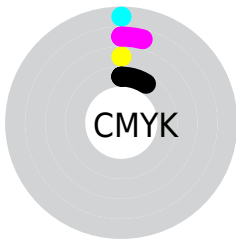
Blue (91%)



Red (90%)

Yellow (87%)

Blue (91%)

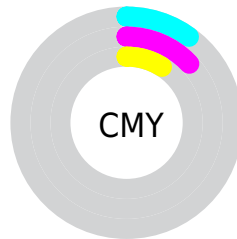


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (9%)



Cyan (10%)

Magenta (13%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8351, 0.3125, 0.3195 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 74.8351, 0.3125, 0.3195 by changing the saturation by 10% instead.



 74.8351, 0.3125,  
0.3195

 74.8351, 0.3125,  
0.3195


477.3506, 0.3126,  
0.3239

 55.4778, 0.3125,  
0.3185


126.0789, 0.3125,  
0.3210

 39.7844, 0.3124,  
0.3173


158.7342, 0.3126,  
0.3216

 27.3705, 0.3124,  
0.3158


196.5910, 0.3126,  
0.3221

 17.8517, 0.3123,  
0.3138

240.0336, 0.3126,  
0.3225

 10.8435, 0.3122,  
0.3111

289.4465, 0.3126,  
0.3229

 5.9617, 0.3120,  
0.3073

345.2140, 0.3126,

 2.8218, 0.3117,

0.3233

0.3014

407.7206, 0.3126,  
0.3236

■ 1.0394, 0.3111,  
0.2911

■ 0.0000, 0.1787,  
0.0000

■ 74.8351, 0.3125,  
0.3195

■ 74.8351, 0.3125,  
0.3195

■ 63.0014, 0.3118,  
0.2944

■ 88.3619, 0.3130,  
0.3434

■ 52.7832, 0.3108,  
0.2688

■ 94.9330, 0.3140,  
0.3531

■ 44.1112, 0.3095,  
0.2431

■ 95.3455, 0.3155,  
0.3530

■ 36.9073, 0.3079,  
0.2185

■ 95.7636, 0.3170,  
0.3529

31.0866, 0.3059,  
0.1959

96.1872, 0.3185,  
0.3528

26.5554, 0.3037,  
0.1763

96.6165, 0.3201,  
0.3527

23.2084, 0.3013,  
0.1605

97.0514, 0.3216,  
0.3526

20.9238, 0.2987,  
0.1492

97.4919, 0.3231,  
0.3525

19.5532, 0.2961,  
0.1422

97.9382, 0.3247,  
0.3524

# Harmonies

## Analogous

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



74.8351, 0.3061, 0.3177



74.8351, 0.3125, 0.3195



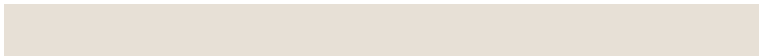
74.8351, 0.3190, 0.3238

# Triad

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



74.8351, 0.3125, 0.3195



74.8351, 0.3241, 0.3392



74.8351, 0.3017, 0.3284

# Complementary

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



74.8351, 0.3125, 0.3195



78.1069, 0.3129, 0.3386

# 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.



74.8351, 0.3064, 0.3343



74.8351, 0.3125, 0.3195



74.8351, 0.3193, 0.3406

# Square

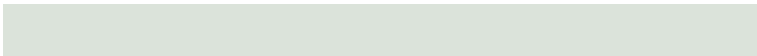
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8351, 0.3125, 0.3195



74.8351, 0.3257, 0.3351



74.8351, 0.3128, 0.3388



74.8351, 0.2999, 0.3228



# Rectangle

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



74.8351, 0.3125, 0.3195



74.8351, 0.3226, 0.3275



74.8351, 0.3128, 0.3388



74.8351, 0.3030, 0.3305

# Sweetspot

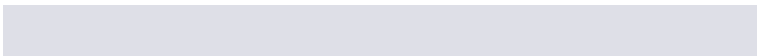
The Sweet Spot groups the original color and five complimentary colors.



74.8383, 0.3125, 0.3195



98.3334, 0.3127, 0.3266



74.0919, 0.3068, 0.3205



21.0650, 0.3127, 0.3267



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.



74.8383, 0.3125, 0.3195



91.8819, 0.3124, 0.3167



74.8009, 0.3154, 0.3231



15.5083, 0.3124, 0.3152



10.6967, 0.2949, 0.1398



0.8125, 0.2989, 0.1420

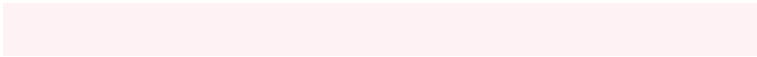


# Inverse Universe

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



74.5480, 0.3185, 0.3280



91.4193, 0.3203, 0.3277



78.1454, 0.3101, 0.3349



15.4197, 0.3213, 0.3276



9.5699, 0.6275, 0.3230

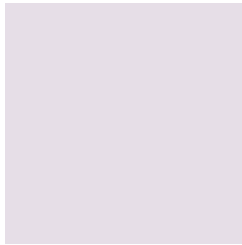


0.7155, 0.5992, 0.3074



# Previews

## White Background



This preview shows how the Yxy color 74.8351, 0.3125, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

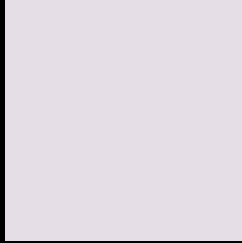
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8351, 0.3125, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

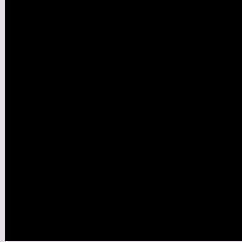
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

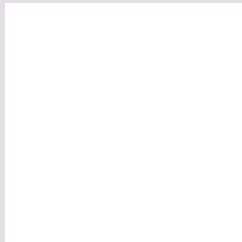
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8351, 0.3125, 0.3195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8351, 0.3125, 0.3195.

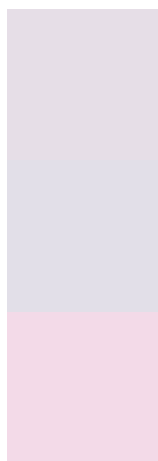


This preview shows how white text looks on a background with the Yxy color 74.8351, 0.3125, 0.3195.

# 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

74.8351, 0.3125, 0.3195

### Protanopia

74.7703, 0.3090, 0.3195

### Deuteranopia

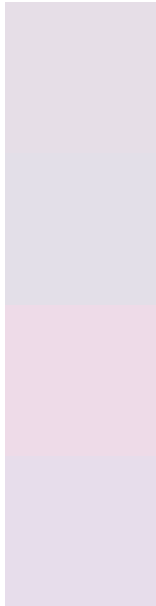
75.0237, 0.3213, 0.3147



## Tritanopia

74.8749, 0.3086, 0.3113

# Trichromacy



## Original Color

74.8351, 0.3125, 0.3195

## Protanomaly

74.9324, 0.3097, 0.3195

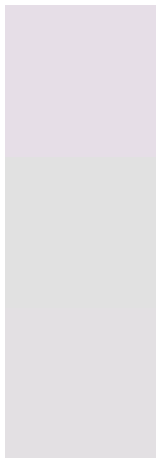
## Deuteranomaly

74.6664, 0.3176, 0.3156

## Tritanomaly

74.7000, 0.3106, 0.3144

# Monochromacy



## Original Color

74.8351, 0.3125, 0.3195

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.1883, 0.3129, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8351, 0.3125, 0.3195 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(230, 222, 231)` looks like.

```
.text, #text, p{  
    color:rgb(230, 222, 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(230, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 222, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8351, 0.3125, 0.3195 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(230, 222, 231) }
```

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

```
.border{ border-color:rgb(230, 222, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 222, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(230, 222,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8351, 0.3125, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 222, 231) }
```

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

```
.background{ background-color: rgb(230,  
222, 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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