

# Converting Colors

Yxy(72.9344, 0.3085, 0.3131)

Have a look what the booklet for  
Yxy(72.9344, 0.3085, 0.3131)  
contains.

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# Color

**Yxy(72.9344, 0.3085, 0.3131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3DBEA
RGB	227, 219, 234
RGB Percent	89%, 86%, 92%
CMY	0.1098, 0.1412, 0.0823
CMYK	0.03, 0.06, 0.00, 0.08
HSL	272°, 26%, 89%
HSV	272°, 6%, 92%
XYZ	71.8629, 72.9344, 88.1456
YIQ	223.1020, -0.0470, 6.3610

# Conversions

## Conversions Part 2

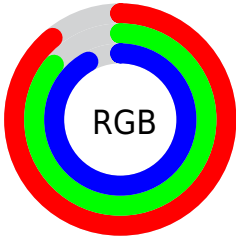
Format	Color
R <sub>Y</sub> B	227, 219, 234
Decimal	14932970
CIE Lab	88.42, 5.43, -6.37
CIE LCh	88, 8.373, 310.458
Yxy	72.9344, 0.3085, 0.3131
Android (android.graphics.Color)	4293123050 (0xFFE3DBEA)
YUV	223.1020, 5.3727, 3.4185
Hunter-Lab	85.4016, 0.7494, -1.4138

# Details

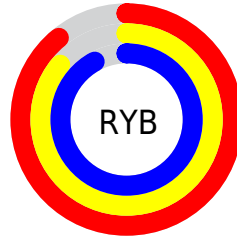
The Yxy color `72.9344, 0.3085, 0.3131` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.1440, 0.3167, 0.3449`, and the grayscale version is `73.8316, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.5359, 0.3081, 0.3098` is the 20% darker color. If you saturate the color by 10%, you get `59.8500, 0.3010, 0.2867`, and if you desaturate by 10%, it is `87.8546, 0.3149, 0.3375`.

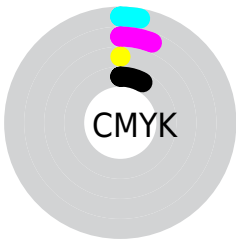
# Distribution



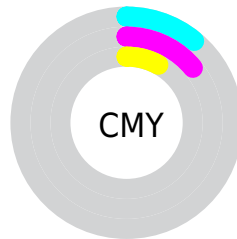
- Red (89%)
- Green (86%)
- Blue (92%)



- Red (89%)
- Yellow (86%)
- Blue (92%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (11%)
- Magenta (14%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9344, 0.3085, 0.3131 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 72.9344, 0.3085, 0.3131 by changing the saturation by 10% instead.




 72.9344, 0.3085,  
0.3131

 72.9344, 0.3085,  
0.3131


470.7874, 0.3105,  
0.3204

 53.9223, 0.3080,  
0.3115

123.3841, 0.3092,  
0.3156

 38.5396, 0.3075,  
0.3094


155.5905, 0.3095,  
0.3166

 26.4017, 0.3067,  
0.3069


192.9638, 0.3097,  
0.3174

 17.1244, 0.3058,  
0.3035

235.8883, 0.3099,  
0.3182

 10.3232, 0.3044,  
0.2990

284.7486, 0.3101,  
0.3188

 5.6138, 0.3025,  
0.2926

339.9289, 0.3102,

 2.6117, 0.2993,

0.3194

0.2827

401.8137, 0.3104,  
0.3199

0.9325, 0.2934,  
0.2655

0.0000, 0.0000,  
0.0000

72.9344, 0.3085,  
0.3131

72.9344, 0.3085,  
0.3131

59.8500, 0.3010,  
0.2867

87.8546, 0.3149,  
0.3375

48.5188, 0.2922,  
0.2585

97.5795, 0.3211,  
0.3495

38.8655, 0.2823,  
0.2292

98.7216, 0.3250,  
0.3493

30.8056, 0.2712,  
0.1997

■ 24.2473, 0.2592,  
0.1713

■ 19.0889, 0.2467,  
0.1454

■ 15.2155, 0.2341,  
0.1233

■ 12.4930, 0.2221,  
0.1063

■ 10.7542, 0.2111,  
0.0949

# Harmonies

## Analogous

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



72.9344, 0.2995, 0.3120



72.9344, 0.3085, 0.3131



72.9344, 0.3187, 0.3183

# Triad

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



72.9344, 0.3085, 0.3131



72.9344, 0.3316, 0.3424



72.9344, 0.2982, 0.3316

# Complementary

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



72.9344, 0.3085, 0.3131



80.1440, 0.3167, 0.3449

# Split Complementary

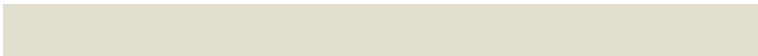
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9344, 0.3066, 0.3401



72.9344, 0.3085, 0.3131



72.9344, 0.3259, 0.3464

# Square

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



72.9344, 0.3085, 0.3131



72.9344, 0.3322, 0.3351



72.9344, 0.3167, 0.3456



72.9344, 0.2937, 0.3225



# Rectangle

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



72.9344, 0.3085, 0.3131



72.9344, 0.3249, 0.3234



72.9344, 0.3167, 0.3456



72.9344, 0.3006, 0.3346

# Sweetspot

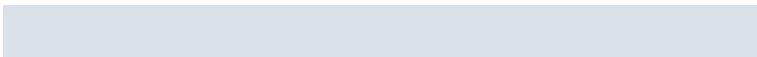
The Sweet Spot groups the original color and five complimentary colors.



72.9375, 0.3085, 0.3131



96.3397, 0.3114, 0.3241



75.5373, 0.3028, 0.3207



20.6590, 0.3115, 0.3244



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.



72.9375, 0.3085, 0.3131



85.9037, 0.3074, 0.3090



74.0881, 0.3136, 0.3136



14.9438, 0.3063, 0.3052



5.8471, 0.2089, 0.0925



0.5163, 0.2235, 0.1005



# Inverse Universe

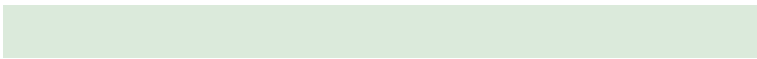
The Inverse Universe completely reimagines the original color for something new.



73.6531, 0.3188, 0.3216



86.9879, 0.3205, 0.3197



79.0452, 0.3118, 0.3449



15.1713, 0.3220, 0.3180



10.4800, 0.5094, 0.2580

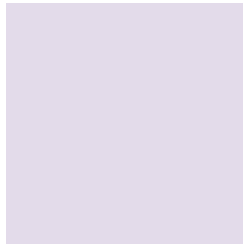


0.8422, 0.4765, 0.2398



# Previews

## White Background



This preview shows how the Yxy color 72.9344, 0.3085, 0.3131 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 72.9344, 0.3085, 0.3131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

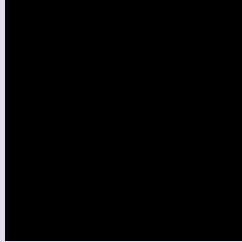
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

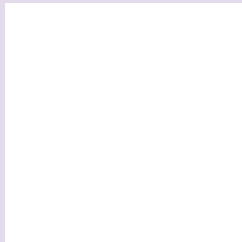
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.9344, 0.3085, 0.3131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9344, 0.3085, 0.3131.

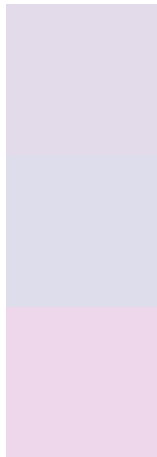


This preview shows how white text looks on a background with the Yxy color 72.9344, 0.3085, 0.3131.

# 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

72.9344, 0.3085, 0.3131

### Protanopia

73.2407, 0.3043, 0.3141

### Deuteranopia

72.7762, 0.3159, 0.3083



## Tritanopia

73.0501, 0.3072, 0.3110

# Trichromacy



## Original Color

72.9344, 0.3085, 0.3131

## Protanomaly

73.0319, 0.3057, 0.3130

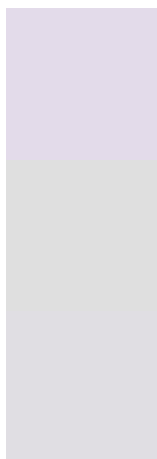
## Deuteranomaly

72.6023, 0.3129, 0.3092

## Tritanomaly

72.9921, 0.3079, 0.3121

# Monochromacy



## Original Color

72.9344, 0.3085, 0.3131

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.6359, 0.3109, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9344, 0.3085, 0.3131 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(227, 219, 234)` looks like.

```
.text, #text, p{  
    color:rgb(227, 219, 234)  
}
```

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(227, 219, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 219, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9344, 0.3085, 0.3131 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(227, 219, 234) }
```

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

```
.border{ border-color:rgb(227, 219, 234) }
```

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

Here you see how a box with a 4 pixel rgb(227, 219, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 219, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 219, 234);  
box-shadow:4px 4px 4px 4px rgb(227, 219,  
234) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.9344, 0.3085, 0.3131$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 219, 234) }
```

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

```
.background{ background-color: rgb(227,  
219, 234) }
```

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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