

# Converting Colors

$Y_{xy}(72.0059, 0.3135, 0.3119)$

Have a look what the booklet for  
Yxy(72.0059, 0.3135, 0.3119)  
contains.

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# Color

**Yxy(72.0937, 0.3135, 0.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D8E8
RGB	232, 216, 232
RGB Percent	91%, 85%, 91%
CMY	0.0903, 0.1529, 0.0902
CMYK	0.00, 0.07, 0.00, 0.09
HSL	300°, 26%, 88%
HSV	300°, 7%, 91%
XYZ	72.3939, 72.0937, 86.4339
YIQ	222.6080, 4.4000, 8.3680

# Conversions

## Conversions Part 2

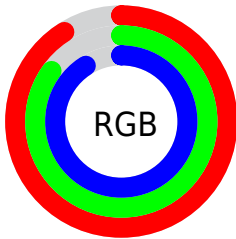
Format	Color
R <sub>Y</sub> B	232, 216, 232
Decimal	15259880
CIE Lab	88.01, 8.29, -5.85
CIE LCh	88, 10.145, 324.782
Yxy	72.0937, 0.3135, 0.3122
Android (android.graphics.Color)	4293449960 (0xFFE8D8E8)
YUV	222.6080, 4.6303, 8.2368
Hunter-Lab	84.9080, 3.6029, -0.9199

# Details

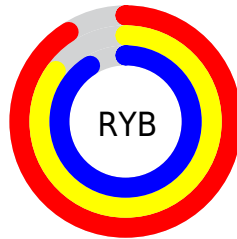
The Yxy color `72.0937, 0.3135, 0.3122` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77.2669, 0.3119, 0.3464`, and the grayscale version is `73.4635, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.8544, 0.3137, 0.3085` is the 20% darker color. If you saturate the color by 10%, you get `61.0348, 0.3147, 0.2872`, and if you desaturate by 10%, it is `84.8370, 0.3124, 0.3364`.

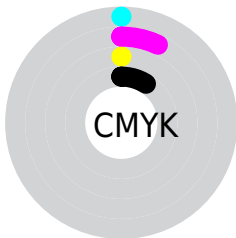
# Distribution



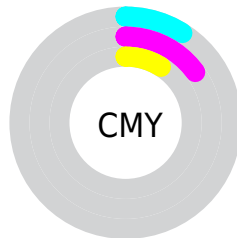
- Red (91%)
- Green (85%)
- Blue (91%)



- Red (91%)
- Yellow (85%)
- Blue (91%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)




- Cyan (9%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0937, 0.3135, 0.3122 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 72.0937, 0.3135, 0.3122 by changing the saturation by 10% instead.



 72.0937, 0.3135,  
0.3122

 72.0937, 0.3135,  
0.3122


467.8677, 0.3132,  
0.3199

 53.2352, 0.3136,  
0.3105

122.1897, 0.3134,  
0.3149

 37.9906, 0.3136,  
0.3083

154.1961, 0.3134,  
0.3159

 25.9754, 0.3137,  
0.3056


191.3538, 0.3133,  
0.3168

 16.8052, 0.3138,  
0.3021


234.0474, 0.3133,  
0.3176

 10.0957, 0.3139,  
0.2974

282.6612, 0.3133,  
0.3183

 5.4625, 0.3140,  
0.2906

337.5796, 0.3132,

 2.5211, 0.3141,

0.3189

0.2802

399.1869, 0.3132,  
0.3194

0.8872, 0.3138,  
0.2620

0.0000, 0.0000,  
0.0000

72.0937, 0.3135,  
0.3122

72.0937, 0.3135,  
0.3122

61.0348, 0.3147,  
0.2872

84.8370, 0.3124,  
0.3364

51.5810, 0.3158,  
0.2622

94.5012, 0.3116,  
0.3523


43.6606, 0.3170,  
0.2379

94.5026, 0.3116,  
0.3523

37.1927, 0.3180,  
0.2153


94.5041, 0.3116,  
0.3523

 32.0892, 0.3189,  
0.1954


 94.5055, 0.3116,  
0.3523

 28.2524, 0.3197,  
0.1790


 94.5069, 0.3117,  
0.3523


 25.5716, 0.3203,  
0.1667

 94.5083, 0.3117,  
0.3523

 23.9171, 0.3206,  
0.1588

 94.5098, 0.3117,  
0.3523

 23.1224, 0.3208,  
0.1549

 94.5112, 0.3117,  
0.3523

# Harmonies

## Analogous

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



72.0937, 0.3015, 0.3083



72.0937, 0.3135, 0.3122



72.0937, 0.3255, 0.3203

# Triad

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



72.0937, 0.3135, 0.3122



72.0937, 0.3331, 0.3483



72.0937, 0.2917, 0.3267

# Complementary

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



72.0937, 0.3135, 0.3122



77.2669, 0.3119, 0.3464

# 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.



72.0937, 0.2999, 0.3379



72.0937, 0.3135, 0.3122



72.0937, 0.3237, 0.3505

# Square

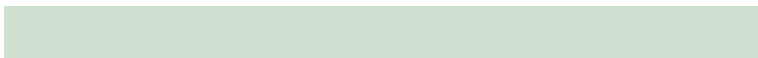
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0937, 0.3135, 0.3122



72.0937, 0.3369, 0.3410



72.0937, 0.3116, 0.3467



72.0937, 0.2891, 0.3164



# Rectangle

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



72.0937, 0.3135, 0.3122



72.0937, 0.3318, 0.3272



72.0937, 0.3116, 0.3467



72.0937, 0.2939, 0.3305

# Sweetspot

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



72.0968, 0.3135, 0.3122



96.7887, 0.3129, 0.3241



69.6814, 0.3022, 0.3119



20.7504, 0.3129, 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.



72.0968, 0.3135, 0.3122



87.6664, 0.3136, 0.3093



71.6686, 0.3187, 0.3203



14.6150, 0.3138, 0.3059



12.7509, 0.3208, 0.1541



0.9423, 0.3208, 0.1541



# Inverse Universe

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



71.2311, 0.3244, 0.3290



86.4234, 0.3266, 0.3290



77.6749, 0.3071, 0.3379



14.3681, 0.3293, 0.3290



9.5244, 0.6400, 0.3299

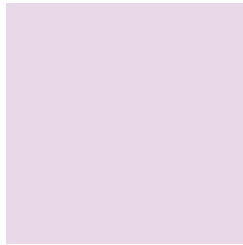


0.7038, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 72.0937, 0.3135, 0.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

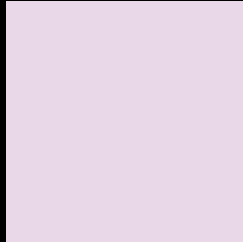
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0937, 0.3135, 0.3122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

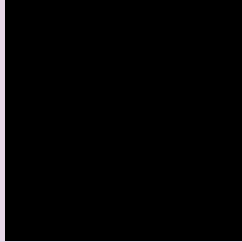
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

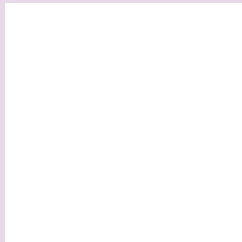
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.0937, 0.3135, 0.3122**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0937, 0.3135, 0.3122.

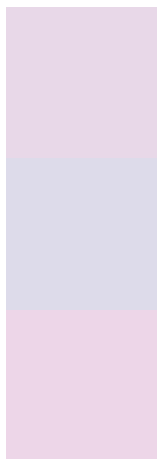


This preview shows how white text looks on a background with the Yxy color 72.0937, 0.3135, 0.3122.

# 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

72.0937, 0.3135, 0.3122

### Protanopia

71.9757, 0.3043, 0.3129

### Deuteranopia

71.9239, 0.3172, 0.3103



## Tritanopia

72.1507, 0.3128, 0.3111

# Trichromacy



## Original Color

72.0937, 0.3135, 0.3122

## Protanomaly

72.0336, 0.3078, 0.3130

## Deuteranomaly

72.0892, 0.3157, 0.3112

## Tritanomaly

72.1507, 0.3128, 0.3111

# Monochromacy



## Original Color

72.0937, 0.3135, 0.3122

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

72.8461, 0.3130, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0937, 0.3135, 0.3122 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(232, 216, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 232)  
}
```

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(232, 216, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0937, 0.3135, 0.3122 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(232, 216, 232) }
```

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

```
.border{ border-color:rgb(232, 216, 232) }
```

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

Here you see how a box with a 4 pixel rgb(232, 216, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 216, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 216, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 216,  
232) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.0937, 0.3135, 0.3122$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 232) }
```

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

```
.background{ background-color: rgb(232,  
216, 232) }
```

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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