

# Converting Colors

$Y_{xy}(72.1789, 0.3131, 0.3207)$

Have a look what the booklet for  
Yxy(72.1789, 0.3131, 0.3207)  
contains.

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# Color

**Yxy(72.3228, 0.3131, 0.3215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DBE2
RGB	226, 219, 226
RGB Percent	89%, 86%, 89%
CMY	0.1135, 0.1412, 0.1137
CMYK	0.00, 0.03, 0.00, 0.11
HSL	300°, 11%, 87%
HSV	300°, 3%, 89%
XYZ	70.4332, 72.3228, 82.1983
YIQ	221.8910, 1.9250, 3.6610

# Conversions

## Conversions Part 2

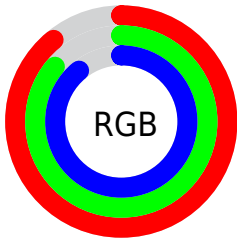
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 219, 226
Decimal	14867426
CIE Lab	88.12, 3.65, -2.59
CIE LCh	88, 4.476, 324.719
Yxy	72.3228, 0.3131, 0.3215
Android (android.graphics.Color)	4293057506 (0xFFE2DBE2)
YUV	221.8910, 2.0257, 3.6036
Hunter-Lab	85.0428, -0.9897, 2.2231

# Details

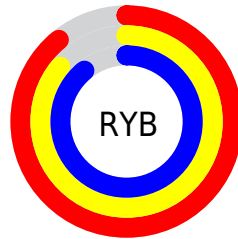
The Yxy color **72.3228, 0.3131, 0.3215** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.5927, 0.3123, 0.3366**, and the grayscale version is **72.9562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.1491, 0.3132, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **61.3140, 0.3144, 0.2969**, and if you desaturate by 10%, it is **84.9393, 0.3119, 0.3451**.

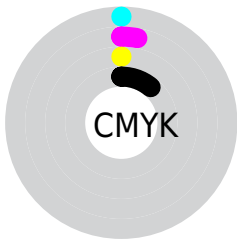
# Distribution



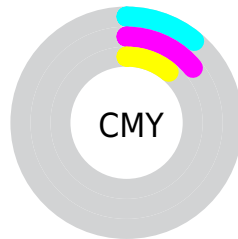
- Red (89%)
- Green (86%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3228, 0.3131, 0.3215 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 72.3228, 0.3131, 0.3215 by changing the saturation by 10% instead.



■ 72.3228, 0.3131,  
0.3215

■ 72.3228, 0.3131,  
0.3215

468.6644, 0.3129,  
0.3250

■ 53.4224, 0.3131,  
0.3207

122.5154, 0.3130,  
0.3227

■ 38.1401, 0.3132,  
0.3197

154.5763, 0.3130,  
0.3232

■ 26.0914, 0.3132,  
0.3185

191.7929, 0.3130,  
0.3236

■ 16.8921, 0.3133,  
0.3169

234.5495, 0.3130,  
0.3239

■ 10.1576, 0.3134,  
0.3147

283.2306, 0.3130,  
0.3242

■ 5.5035, 0.3135,  
0.3115

338.2205, 0.3130,

■ 2.5456, 0.3137,

0.3245

0.3066

399.9036, 0.3129,  
0.3247

0.8994, 0.3139,  
0.2977

0.0000, 0.0000,  
0.0000

72.3228, 0.3131,  
0.3215

72.3228, 0.3131,  
0.3215

61.3140, 0.3144,  
0.2969

84.9393, 0.3119,  
0.3451

51.8395, 0.3157,  
0.2720


93.2030, 0.3112,  
0.3585


43.8340, 0.3170,  
0.2475

93.2109, 0.3111,  
0.3583

37.2239, 0.3182,  
0.2243


93.2189, 0.3110,  
0.3582


 31.9293, 0.3194,  
0.2033


 93.2268, 0.3109,  
0.3580

 27.8622, 0.3204,  
0.1856


 93.2348, 0.3109,  
0.3579

 24.9238, 0.3213,  
0.1717

 93.2427, 0.3108,  
0.3577

 23.0002, 0.3219,  
0.1622

 93.2507, 0.3107,  
0.3576

 21.9536, 0.3223,  
0.1569

 93.2587, 0.3106,  
0.3574

# Harmonies

## Analogous

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



72.3228, 0.3078, 0.3198



72.3228, 0.3131, 0.3215



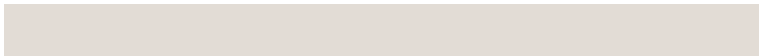
72.3228, 0.3184, 0.3252

# Triad

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



72.3228, 0.3131, 0.3215



72.3228, 0.3217, 0.3375



72.3228, 0.3034, 0.3281

# Complementary

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



72.3228, 0.3131, 0.3215



74.5927, 0.3123, 0.3366

# 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.



72.3228, 0.3071, 0.3329



72.3228, 0.3131, 0.3215



72.3228, 0.3176, 0.3384

# Square

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



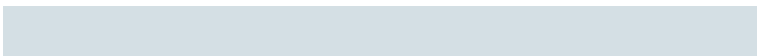
72.3228, 0.3131, 0.3215



72.3228, 0.3233, 0.3344



72.3228, 0.3123, 0.3367



72.3228, 0.3022, 0.3235



# Rectangle

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



72.3228, 0.3131, 0.3215



72.3228, 0.3211, 0.3282



72.3228, 0.3123, 0.3367



72.3228, 0.3044, 0.3297

# Sweetspot

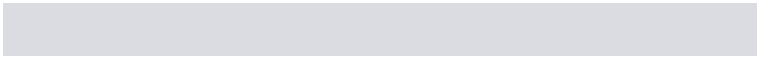
The Sweet Spot groups the original color and five complimentary colors.



72.3259, 0.3131, 0.3215



98.3827, 0.3128, 0.3266



71.2111, 0.3081, 0.3213



21.0750, 0.3128, 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.



72.3259, 0.3131, 0.3215



93.6597, 0.3132, 0.3193



72.1367, 0.3154, 0.3252



15.0615, 0.3133, 0.3176



12.3126, 0.3225, 0.1550



0.8539, 0.3222, 0.1549



# Inverse Universe

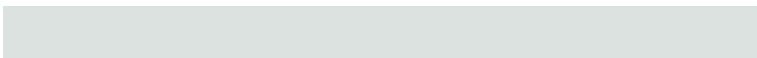
The Inverse Universe completely reimagines the original color for something new.



72.3259, 0.3131, 0.3215



93.6597, 0.3132, 0.3193



74.7781, 0.3101, 0.3328



15.0615, 0.3133, 0.3176



12.3126, 0.3225, 0.1550

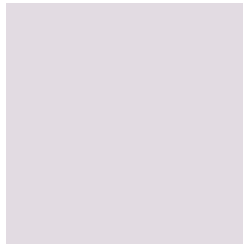


0.8539, 0.3222, 0.1549



# Previews

## White Background



This preview shows how the Yxy color 72.3228, 0.3131, 0.3215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

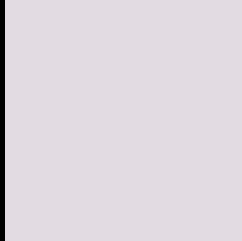
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3228, 0.3131, 0.3215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

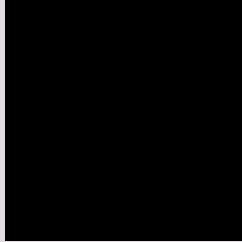
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

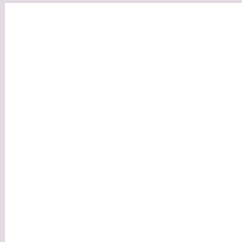
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3228, 0.3131, 0.3215**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3228, 0.3131, 0.3215.

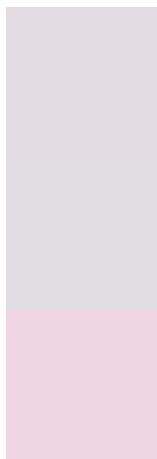


This preview shows how white text looks on a background with the Yxy color 72.3228, 0.3131, 0.3215.

# 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

72.3228, 0.3131, 0.3215

### Protanopia

72.3654, 0.3109, 0.3225

### Deuteranopia

72.1645, 0.3229, 0.3155



## Tritanopia

72.4719, 0.3079, 0.3110

# Trichromacy



## Original Color

72.3228, 0.3131, 0.3215

## Protanomaly

72.5247, 0.3116, 0.3226

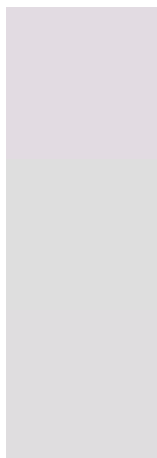
## Deuteranomaly

72.3200, 0.3191, 0.3175

## Tritanomaly

72.2999, 0.3099, 0.3141

# Monochromacy



## Original Color

72.3228, 0.3131, 0.3215

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.7286, 0.3128, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3228, 0.3131, 0.3215 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(226, 219, 226) looks like.

```
.text, #text, p{  
    color:rgb(226, 219, 226)  
}
```

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(226, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 219, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3228, 0.3131, 0.3215 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(226, 219, 226) }
```

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

```
.border{ border-color:rgb(226, 219, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 219, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 219, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 219, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 219,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3228, 0.3131, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 219, 226) }
```

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

```
.background{ background-color: rgb(226,  
219, 226) }
```

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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