

# Converting Colors

$Y_{xy}(71.7979, 0.3038, 0.3104)$

Have a look what the booklet for  
Yxy(71.7979, 0.3038, 0.3104)  
contains.

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# Color

**Yxy(71.7285, 0.3037, 0.3098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDAEC
RGB	222, 218, 236
RGB Percent	87%, 85%, 93%
CMY	0.1297, 0.1450, 0.0745
CMYK	0.06, 0.08, 0.00, 0.07
HSL	253°, 32%, 89%
HSV	253°, 8%, 93%
XYZ	70.3162, 71.7285, 89.4870
YIQ	221.2480, -3.3940, 6.4460

# Conversions

## Conversions Part 2

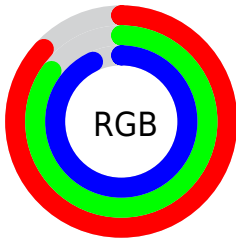
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	222, 218, 236
Decimal	14605036
CIE Lab	87.84, 4.64, -8.31
CIE LCh	88, 9.515, 299.157
Yxy	71.7285, 0.3037, 0.3098
Android (android.graphics.Color)	4292795116 (0xFFDEDAEC)
YUV	221.2480, 7.2727, 0.6595
Hunter-Lab	84.6927, -0.0124, -3.3614

# Details

The Yxy color **71.7285, 0.3037, 0.3098** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.2212, 0.3213, 0.3478**, and the grayscale version is **72.4336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7052, 0.3019, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **57.5891, 0.2903, 0.2820**, and if you desaturate by 10%, it is **87.9366, 0.3153, 0.3347**.

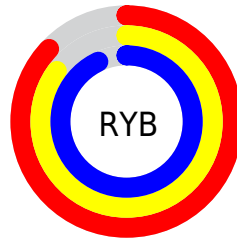
# Distribution



Red (87%)

Green (85%)

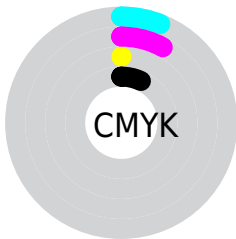
Blue (93%)



Red (87%)

Yellow (85%)

Blue (93%)

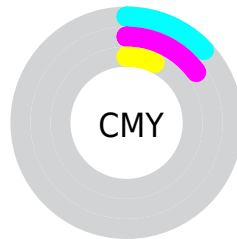


Cyan (6%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (15%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7285, 0.3037, 0.3098 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 71.7285, 0.3037, 0.3098 by changing the saturation by 10% instead.



71.7285, 0.3037,  
0.3098

71.7285, 0.3037,  
0.3098

466.5961, 0.3079,  
0.3186

52.9369, 0.3027,  
0.3078

121.6705, 0.3052,  
0.3129

37.7524, 0.3015,  
0.3053

153.5896, 0.3057,  
0.3140

25.7906, 0.3000,  
0.3022

190.6534, 0.3062,  
0.3151

16.6670, 0.2980,  
0.2982

233.2463, 0.3067,  
0.3160

9.9974, 0.2952,  
0.2927

281.7526, 0.3070,  
0.3167

5.3972, 0.2911,  
0.2848

336.5567, 0.3074,

2.4822, 0.2847,

0.3174

0.2727

398.0431, 0.3077,  
0.3181

0.8677, 0.2728,  
0.2514

0.0000, 0.0000,  
0.0000

71.7285, 0.3037,  
0.3098

71.7285, 0.3037,  
0.3098

57.5891, 0.2903,  
0.2820

87.9366, 0.3153,  
0.3347

45.4259, 0.2750,  
0.2515

98.8355, 0.3238,  
0.3473

35.1524, 0.2581,  
0.2190

26.6727, 0.2399,  
0.1854

■ 19.8819, 0.2211,  
0.1525

■ 14.6641, 0.2028,  
0.1223

■ 10.8886, 0.1862,  
0.0971

■ 8.4027, 0.1724,  
0.0787

■ 7.0053, 0.1622,  
0.0676

# Harmonies

## Analogous

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



71.7285, 0.2948, 0.3104



71.7285, 0.3037, 0.3098



71.7285, 0.3152, 0.3141

# Triad

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



71.7285, 0.3037, 0.3098



71.7285, 0.3353, 0.3415



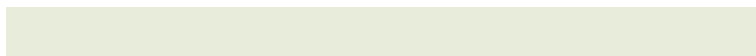
71.7285, 0.2993, 0.3359

# Complementary

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



71.7285, 0.3037, 0.3098



82.2212, 0.3213, 0.3478

# 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.



71.7285, 0.3100, 0.3446



71.7285, 0.3037, 0.3098



71.7285, 0.3308, 0.3477

# Square

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



71.7285, 0.3037, 0.3098



71.7285, 0.3336, 0.3321



71.7285, 0.3215, 0.3490



71.7285, 0.2923, 0.3253



# Rectangle

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



71.7285, 0.3037, 0.3098



71.7285, 0.3228, 0.3192



71.7285, 0.3215, 0.3490



71.7285, 0.3026, 0.3391

# Sweetspot

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



71.7315, 0.3037, 0.3098



96.0392, 0.3104, 0.3241



78.9034, 0.3010, 0.3252



20.5978, 0.3105, 0.3243



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.



71.7315, 0.3037, 0.3098



82.9695, 0.3019, 0.3060



73.1373, 0.3098, 0.3102



14.7062, 0.3013, 0.3049



3.7738, 0.1614, 0.0663



0.3374, 0.1743, 0.0734



# Inverse Universe

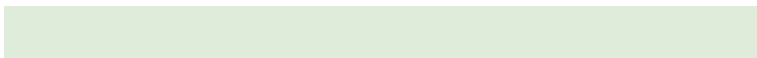
The Inverse Universe completely reimagines the original color for something new.



73.8219, 0.3162, 0.3144



85.9053, 0.3169, 0.3116



80.8032, 0.3154, 0.3481



15.2547, 0.3171, 0.3107



11.7779, 0.3845, 0.1892

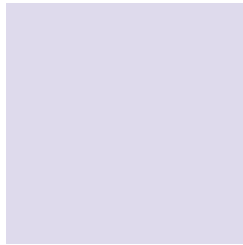


0.9387, 0.3739, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 71.7285, 0.3037, 0.3098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

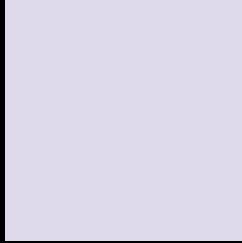
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7285, 0.3037, 0.3098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

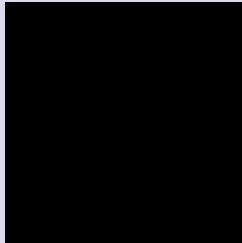
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.7285, 0.3037, 0.3098**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7285, 0.3037, 0.3098.

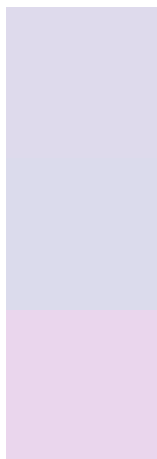


This preview shows how white text looks on a background with the Yxy color 71.7285, 0.3037, 0.3098.

# 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

71.7285, 0.3037, 0.3098

### Protanopia

71.7792, 0.3017, 0.3107

### Deuteranopia

71.7000, 0.3117, 0.3050



## Tritanopia

71.6706, 0.3044, 0.3108

# Trichromacy



## Original Color

71.7285, 0.3037, 0.3098

## Protanomaly

71.9348, 0.3024, 0.3108

## Deuteranomaly

71.5383, 0.3088, 0.3059

## Tritanomaly

71.6706, 0.3044, 0.3108

# Monochromacy



## Original Color

71.7285, 0.3037, 0.3098

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.0495, 0.3095, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7285, 0.3037, 0.3098 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(222, 218, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 218, 236)  
}
```

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(222, 218, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 218, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7285, 0.3037, 0.3098 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(222, 218, 236) }
```

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

```
.border{ border-color:rgb(222, 218, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 218, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 218, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 218, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 218,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7285, 0.3037, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 218, 236) }
```

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

```
.background{ background-color: rgb(222,  
218, 236) }
```

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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