

# Converting Colors

Yxy(69.4871, 0.3043, 0.3106)

Have a look what the booklet for  
Yxy(69.4871, 0.3043, 0.3106)  
contains.

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# Color

**Yxy(69.4871, 0.3043, 0.3106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD7E8
RGB	219, 215, 232
RGB Percent	86%, 84%, 91%
CMY	0.1412, 0.1568, 0.0903
CMYK	0.06, 0.07, 0.00, 0.09
HSL	254°, 27%, 88%
HSV	254°, 7%, 91%
XYZ	68.0777, 69.4871, 86.1542
YIQ	218.1340, -3.0730, 6.1350

# Conversions

## Conversions Part 2

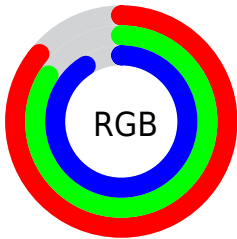
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 215, 232
Decimal	14407656
CIE Lab	86.74, 4.50, -7.84
CIE LCh	87, 9.037, 299.841
Yxy	69.4871, 0.3043, 0.3106
Android (android.graphics.Color)	4292597736 (0xFFDBD7E8)
YUV	218.1340, 6.8359, 0.7595
Hunter-Lab	83.3589, -0.1005, -2.9269

# Details

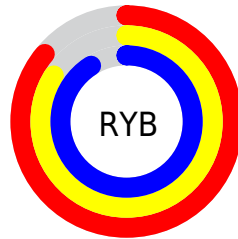
The Yxy color **69.4871, 0.3043, 0.3106** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.1016, 0.3208, 0.3471**, and the grayscale version is **70.1632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1687, 0.3025, 0.3064** is the 20% darker color. If you saturate the color by 10%, you get **55.8950, 0.2913, 0.2830**, and if you desaturate by 10%, it is **85.0533, 0.3156, 0.3354**.

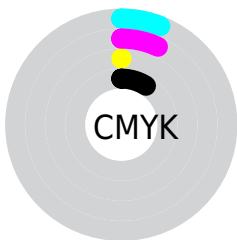
# Distribution



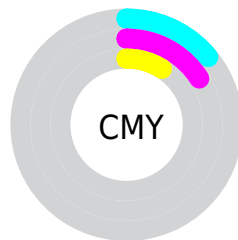
- Red (86%)
- Green (84%)
- Blue (91%)



- Red (86%)
- Yellow (84%)
- Blue (91%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4871, 0.3043, 0.3106 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 69.4871, 0.3043, 0.3106 by changing the saturation by 10% instead.



■ 69.4871, 0.3043,  
0.3106

■ 69.4871, 0.3043,  
0.3106

458.7471, 0.3083,  
0.3191

■ 51.1085, 0.3034,  
0.3087

118.4770, 0.3057,  
0.3136

■ 36.2950, 0.3022,  
0.3063

149.8572, 0.3062,  
0.3147

■ 24.6621, 0.3008,  
0.3032

186.3399, 0.3067,  
0.3157

■ 15.8255, 0.2988,  
0.2992

228.3097, 0.3071,  
0.3166

■ 9.4007, 0.2962,  
0.2938

276.1509, 0.3074,  
0.3173

■ 5.0035, 0.2922,  
0.2860

330.2480, 0.3077,

■ 2.2493, 0.2859,

0.3180

0.2738

390.9852, 0.3080,  
0.3186

0.7467, 0.2746,  
0.2502

0.0000, 0.0000,  
0.0000

69.4871, 0.3043,  
0.3106

69.4871, 0.3043,  
0.3106

55.8950, 0.2913,  
0.2830

85.0533, 0.3156,  
0.3354

44.1890, 0.2765,  
0.2527

98.5058, 0.3259,  
0.3513

34.2871, 0.2600,  
0.2204

98.6052, 0.3262,  
0.3513

26.0984, 0.2422,  
0.1871

■ 19.5234, 0.2237,  
0.1544

■ 14.4525, 0.2056,  
0.1244

■ 10.7619, 0.1890,  
0.0991

■ 8.3074, 0.1749,  
0.0804

■ 6.9019, 0.1643,  
0.0689

# Harmonies

## Analogous

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



69.4871, 0.2956, 0.3111



69.4871, 0.3043, 0.3106



69.4871, 0.3153, 0.3148

# Triad

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



69.4871, 0.3043, 0.3106



69.4871, 0.3344, 0.3412



69.4871, 0.2996, 0.3354

# Complementary

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



69.4871, 0.3043, 0.3106



79.1016, 0.3208, 0.3471

# 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.



69.4871, 0.3098, 0.3438



69.4871, 0.3043, 0.3106



69.4871, 0.3299, 0.3471

# Square

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



69.4871, 0.3043, 0.3106



69.4871, 0.3329, 0.3322



69.4871, 0.3209, 0.3481



69.4871, 0.2930, 0.3252



# Rectangle

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



69.4871, 0.3043, 0.3106



69.4871, 0.3226, 0.3198



69.4871, 0.3209, 0.3481



69.4871, 0.3028, 0.3385

# Sweetspot

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



69.4901, 0.3043, 0.3106



96.0571, 0.3105, 0.3241



75.7719, 0.3014, 0.3247



20.6015, 0.3106, 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.



69.4901, 0.3043, 0.3106



83.0442, 0.3022, 0.3060



70.8344, 0.3103, 0.3110



14.0501, 0.3017, 0.3050



3.7274, 0.1632, 0.0673



0.3172, 0.1775, 0.0752



# Inverse Universe

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



71.3577, 0.3163, 0.3153



85.8782, 0.3172, 0.3120



77.7530, 0.3149, 0.3474



14.5541, 0.3174, 0.3112



11.3151, 0.3910, 0.1927

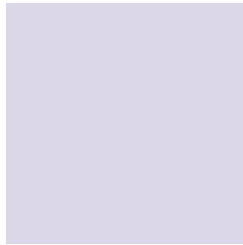


0.8502, 0.3786, 0.1859



# Previews

## White Background



This preview shows how the Yxy color 69.4871, 0.3043, 0.3106 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 69.4871, 0.3043, 0.3106 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

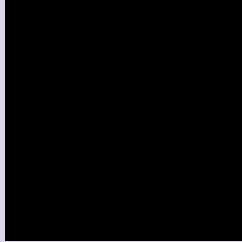
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

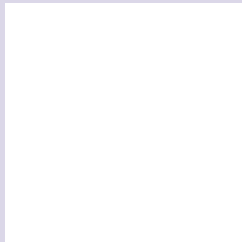
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.4871, 0.3043, 0.3106**

## Background



This preview shows how black text looks on a background with the Yxy color 69.4871, 0.3043, 0.3106.

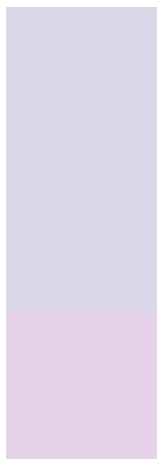


This preview shows how white text looks on a background with the Yxy color 69.4871, 0.3043, 0.3106.

# 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

69.4871, 0.3043, 0.3106

### Protanopia

69.6896, 0.3029, 0.3116

### Deuteranopia

69.4606, 0.3123, 0.3058



## Tritanopia

69.4871, 0.3043, 0.3106

# Trichromacy



## Original Color

69.4871, 0.3043, 0.3106

## Protanomaly

69.8434, 0.3036, 0.3116

## Deuteranomaly

69.3011, 0.3094, 0.3066

## Tritanomaly

69.4871, 0.3043, 0.3106

# Monochromacy



## Original Color

69.4871, 0.3043, 0.3106

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.8588, 0.3094, 0.3224

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  69.4871, 0.3043, 0.3106 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(219, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 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(219, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4871, 0.3043, 0.3106 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(219, 215, 232) }
```

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

```
.border{ border-color:rgb(219, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4871, 0.3043, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 215, 232) }
```

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

```
.background{ background-color: rgb(219,  
215, 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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