

# Converting Colors

$Yxy(72.3380, 0.2987, 0.3006)$

Have a look what the booklet for  
Yxy(72.3380, 0.2987, 0.3006)  
contains.

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# Color

**Yxy(72.4234, 0.2987, 0.3005)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFDAF5
RGB	223, 218, 245
RGB Percent	87%, 85%, 96%
CMY	0.1255, 0.1451, 0.0391
CMYK	0.09, 0.11, 0.00, 0.04
HSL	251°, 58%, 91%
HSV	251°, 11%, 96%
XYZ	71.9896, 72.4234, 96.5967
YIQ	222.5730, -5.6870, 9.4570

# Conversions

## Conversions Part 2

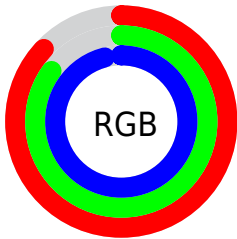
Format	Color
R <sub>Y</sub> B	223, 218, 245
Decimal	14670581
CIE Lab	88.17, 6.75, -12.57
CIE LCh	88, 14.268, 298.254
Yxy	72.4234, 0.2987, 0.3005
Android (android.graphics.Color)	4292860661 (0xFFDFDAF5)
YUV	222.5730, 11.0565, 0.3745
Hunter-Lab	85.1019, 2.0686, -7.7270

# Details

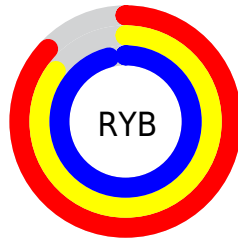
The Yxy color  $72.4234, 0.2987, 0.3005$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $88.9166, 0.3258, 0.3565$ , and the grayscale version is  $73.4000, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $38.1933, 0.2954, 0.2935$  is the 20% darker color. If you saturate the color by 10%, you get  $57.6571, 0.2840, 0.2715$ , and if you desaturate by 10%, it is  $89.4483, 0.3115, 0.3265$ .

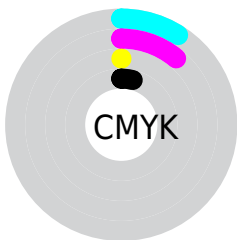
# Distribution



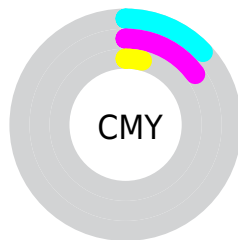
- Red (87%)
- Green (85%)
- Blue (96%)



- Red (87%)
- Yellow (85%)
- Blue (96%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (15%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4234, 0.2987, 0.3005 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 72.4234, 0.2987, 0.3005 by changing the saturation by 10% instead.



72.4234, 0.2987,  
0.3005

72.4234, 0.2987,  
0.3005

469.0140, 0.3052,  
0.3135

53.5046, 0.2972,  
0.2976

122.6583, 0.3010,  
0.3050

38.2058, 0.2953,  
0.2940

154.7432, 0.3019,  
0.3067

26.1424, 0.2930,  
0.2895

191.9856, 0.3026,  
0.3082

16.9302, 0.2898,  
0.2837

234.7699, 0.3033,  
0.3096

10.1848, 0.2856,  
0.2758

283.4805, 0.3039,  
0.3107

5.5216, 0.2794,  
0.2648

338.5018, 0.3044,

2.5564, 0.2697,

0.3117

0.2480

400.2181, 0.3048,  
0.3127

0.9048, 0.2523,  
0.2199

0.0000, 0.0000,  
0.0000

72.4234, 0.2987,  
0.3005

72.4234, 0.2987,  
0.3005

57.6571, 0.2840,  
0.2715

89.4483, 0.3115,  
0.3265

45.0451, 0.2675,  
0.2400

99.3746, 0.3185,  
0.3386

34.4887, 0.2494,  
0.2065

25.8776, 0.2303,  
0.1725

■ 19.0913, 0.2111,  
0.1399

■ 13.9955, 0.1930,  
0.1109

■ 10.4370, 0.1773,  
0.0878

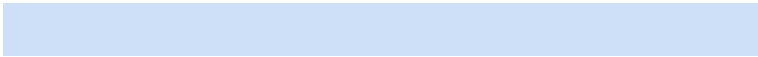
■ 8.2340, 0.1652,  
0.0722

■ 7.1616, 0.1576,  
0.0642

# Harmonies

## Analogous

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



72.4234, 0.2857, 0.3015



72.4234, 0.2987, 0.3005



72.4234, 0.3158, 0.3067

# Triad

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



72.4234, 0.2987, 0.3005



72.4234, 0.3467, 0.3470



72.4234, 0.2931, 0.3397

# Complementary

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



72.4234, 0.2987, 0.3005



88.9166, 0.3258, 0.3565

# 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.



72.4234, 0.3090, 0.3529



72.4234, 0.2987, 0.3005



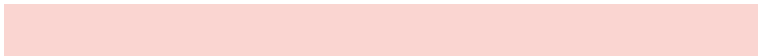
72.4234, 0.3401, 0.3568

# Square

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



72.4234, 0.2987, 0.3005



72.4234, 0.3438, 0.3330



72.4234, 0.3262, 0.3592



72.4234, 0.2826, 0.3237



# Rectangle

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



72.4234, 0.2987, 0.3005



72.4234, 0.3272, 0.3140



72.4234, 0.3262, 0.3592



72.4234, 0.2980, 0.3447

# Sweetspot

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



72.4265, 0.2987, 0.3005



94.0528, 0.3091, 0.3216



83.8656, 0.2957, 0.3238



19.7993, 0.3081, 0.3196



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.



72.4265, 0.2987, 0.3005



75.8755, 0.2959, 0.2950



74.6511, 0.3080, 0.3013



16.0744, 0.3008, 0.3047



3.9000, 0.1586, 0.0647



0.3824, 0.1693, 0.0706



# Inverse Universe

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



75.8538, 0.3173, 0.3067



80.2536, 0.3182, 0.3026



86.6464, 0.3169, 0.3573



16.7125, 0.3166, 0.3099



12.7138, 0.3742, 0.1835

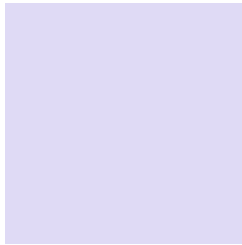


1.1308, 0.3663, 0.1791



# Previews

## White Background



This preview shows how the Yxy color 72.4234, 0.2987, 0.3005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

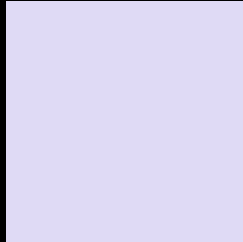
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4234, 0.2987, 0.3005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

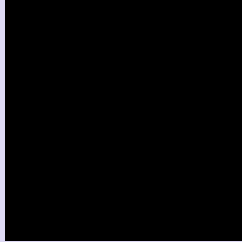
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4234, 0.2987, 0.3005**

## Background



This preview shows how black text looks on a background with the Yxy color 72.4234, 0.2987, 0.3005.



This preview shows how white text looks on a background with the Yxy color 72.4234, 0.2987, 0.3005.

# 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

72.4234, 0.2987, 0.3005

### Protanopia

72.7456, 0.2947, 0.3014

### Deuteranopia

72.2436, 0.3036, 0.2968



## Tritanopia

72.3071, 0.3031, 0.3098

# Trichromacy



## Original Color

72.4234, 0.2987, 0.3005

## Protanomaly

72.5325, 0.2961, 0.3004

## Deuteranomaly

72.2595, 0.3015, 0.2977

## Tritanomaly

72.4839, 0.3012, 0.3067

# Monochromacy



## Original Color

72.4234, 0.2987, 0.3005

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.1704, 0.3076, 0.3183

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4234, 0.2987, 0.3005 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(223, 218, 245)` looks like.

```
.text, #text, p{  
    color:rgb(223, 218, 245)  
}
```

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(223, 218, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 218, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4234, 0.2987, 0.3005 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(223, 218, 245) }
```

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

```
.border{ border-color:rgb(223, 218, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 218, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 218, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 218, 245);  
box-shadow:4px 4px 4px 4px rgb(223, 218,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4234, 0.2987, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 218, 245) }
```

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

```
.background{ background-color: rgb(223,  
218, 245) }
```

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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