

# Converting Colors

$Yxy(70.3935, 0.2957, 0.3006)$

Have a look what the booklet for  
Yxy(70.3935, 0.2957, 0.3006)  
contains.

<b>Yxy(70.3345, 0.2959, 0.3001)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(70.3345, 0.2959, 0.3001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9D8F3
RGB	217, 216, 243
RGB Percent	85%, 85%, 95%
CMY	0.1489, 0.1529, 0.0472
CMYK	0.11, 0.11, 0.00, 0.05
HSL	242°, 53%, 90%
HSV	242°, 11%, 95%
XYZ	69.3501, 70.3345, 94.6856
YIQ	219.3770, -8.0710, 8.6090

# Conversions

## Conversions Part 2

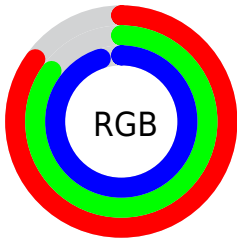
Format	Color
R <sub>Y</sub> B	217, 216, 243
Decimal	14276851
CIE Lab	87.16, 5.47, -13.04
CIE LCh	87, 14.139, 292.777
Yxy	70.3345, 0.2959, 0.3001
Android (android.graphics.Color)	4292466931 (0xFFD9D8F3)
YUV	219.3770, 11.6461, -2.0846
Hunter-Lab	83.8657, 0.8402, -8.2333

# Details

The Yxy color  $70.3345, 0.2959, 0.3001$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $87.9040, 0.3286, 0.3565$ , and the grayscale version is  $71.0387, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.7590, 0.2916, 0.2928$  is the 20% darker color. If you saturate the color by 10%, you get  $55.4628, 0.2786, 0.2705$ , and if you desaturate by 10%, it is  $87.5599, 0.3112, 0.3263$ .

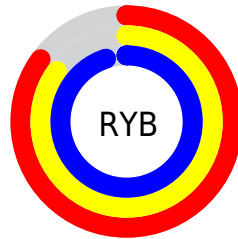
# Distribution



Red (85%)

Green (85%)

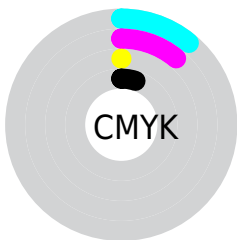
Blue (95%)



Red (85%)

Yellow (85%)

Blue (95%)

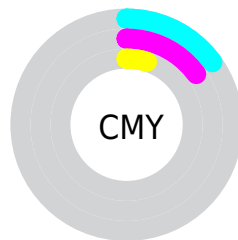


Cyan (11%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (15%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3345, 0.2959, 0.3001 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 70.3345, 0.2959, 0.3001 by changing the saturation by 10% instead.



■ 70.3345, 0.2959,  
0.3001

■ 70.3345, 0.2959,  
0.3001

461.7236, 0.3038,  
0.3134

■ 51.7993, 0.2941,  
0.2971

119.6857, 0.2986,  
0.3047

■ 36.8451, 0.2918,  
0.2934

151.2704, 0.2997,  
0.3065

■ 25.0876, 0.2890,  
0.2887

187.9737, 0.3006,  
0.3080

■ 16.1423, 0.2852,  
0.2827

230.1801, 0.3014,  
0.3094

■ 9.6249, 0.2801,  
0.2745

278.2739, 0.3021,  
0.3105

■ 5.1510, 0.2726,  
0.2629

332.6394, 0.3027,

■ 2.3361, 0.2607,

0.3116

0.2451

393.6612, 0.3033,  
0.3125

0.7927, 0.2398,  
0.2141

0.0000, 0.0000,  
0.0000

70.3345, 0.2959,  
0.3001

70.3345, 0.2959,  
0.3001

55.4628, 0.2786,  
0.2705

87.5599, 0.3112,  
0.3263

42.8343, 0.2593,  
0.2378

99.2489, 0.3197,  
0.3406

32.3427, 0.2386,  
0.2029

23.8699, 0.2173,  
0.1674

■ 17.2862, 0.1968,  
0.1334

■ 12.4467, 0.1786,  
0.1038

■ 9.1858, 0.1644,  
0.0810

■ 7.3056, 0.1550,  
0.0667

■ 6.5286, 0.1508,  
0.0605

# Harmonies

## Analogous

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



70.3345, 0.2840, 0.3024



70.3345, 0.2959, 0.3001



70.3345, 0.3125, 0.3051

# Triad

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



70.3345, 0.2959, 0.3001



70.3345, 0.3469, 0.3447



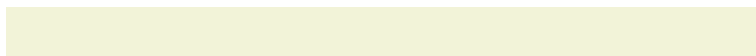
70.3345, 0.2957, 0.3425

# Complementary

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



70.3345, 0.2959, 0.3001



87.9040, 0.3286, 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.



70.3345, 0.3122, 0.3547



70.3345, 0.2959, 0.3001



70.3345, 0.3420, 0.3555

# Square

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



70.3345, 0.2959, 0.3001



70.3345, 0.3423, 0.3303



70.3345, 0.3291, 0.3594



70.3345, 0.2839, 0.3266



# Rectangle

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



70.3345, 0.2959, 0.3001



70.3345, 0.3242, 0.3118



70.3345, 0.3291, 0.3594



70.3345, 0.3008, 0.3472

# Sweetspot

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



70.3375, 0.2959, 0.3001



93.8468, 0.3084, 0.3216



84.6114, 0.2956, 0.3280



19.7440, 0.3072, 0.3195



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.



70.3375, 0.2959, 0.3001



75.0888, 0.2927, 0.2946



72.4676, 0.3051, 0.3009



15.9568, 0.2985, 0.3046



3.5973, 0.1512, 0.0606



0.3266, 0.1541, 0.0623



# Inverse Universe

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



74.5679, 0.3147, 0.3027



80.5618, 0.3150, 0.2980



85.6276, 0.3196, 0.3572



16.7568, 0.3144, 0.3066



13.7150, 0.3307, 0.1595



1.2088, 0.3294, 0.1588



# Previews

## White Background



This preview shows how the Yxy color 70.3345, 0.2959, 0.3001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

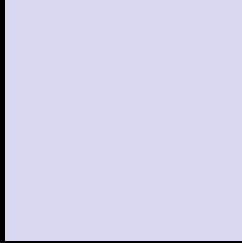
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3345, 0.2959, 0.3001 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

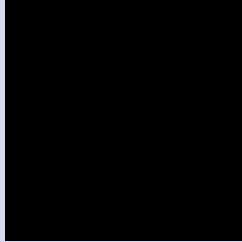
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.3345, 0.2959, 0.3001**

## Background



This preview shows how black text looks on a background with the Yxy color 70.3345, 0.2959, 0.3001.

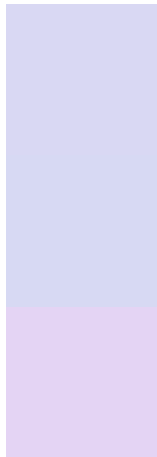


This preview shows how white text looks on a background with the Yxy color 70.3345, 0.2959, 0.3001.

# 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

70.3345, 0.2959, 0.3001

### Protanopia

70.5438, 0.2945, 0.3010

### Deuteranopia

70.1126, 0.3028, 0.2954



## Tritanopia

70.2228, 0.3002, 0.3095

# Trichromacy



## Original Color

70.3345, 0.2959, 0.3001

## Protanomaly

70.6957, 0.2952, 0.3011

## Deuteranomaly

69.9674, 0.3000, 0.2962

## Tritanomaly

70.3977, 0.2983, 0.3063

# Monochromacy



## Original Color

70.3345, 0.2959, 0.3001

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.6497, 0.3061, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3345, 0.2959, 0.3001 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(217, 216, 243)` looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 243)  
}
```

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(217, 216, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3345, 0.2959, 0.3001 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(217, 216, 243) }
```

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

```
.border{ border-color:rgb(217, 216, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 216, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 216, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 216, 243); box-shadow:4px 4px 4px 4px rgb(217, 216, 243) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3345, 0.2959, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 216, 243) }
```

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

```
.background{ background-color: rgb(217,  
216, 243) }
```

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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