

# Converting Colors

$Y_{xy}(73.7240, 0.3093, 0.3029)$

Have a look what the booklet for  
Yxy(73.7240, 0.3093, 0.3029)  
contains.

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# Color

**Yxy(73.8694, 0.3097, 0.3033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD9F2
RGB	236, 217, 242
RGB Percent	93%, 85%, 95%
CMY	0.0745, 0.1490, 0.0511
CMYK	0.02, 0.10, 0.00, 0.05
HSL	286°, 49%, 90%
HSV	286°, 10%, 95%
XYZ	75.4281, 73.8694, 94.2547
YIQ	225.5310, 3.2990, 11.8030

# Conversions

## Conversions Part 2

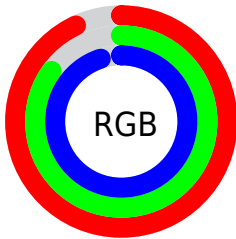
Format	Color
R <sub>Y</sub> B	236, 217, 242
Decimal	15522290
CIE Lab	88.86, 10.93, -9.82
CIE LCh	89, 14.690, 318.075
Yxy	73.8694, 0.3097, 0.3033
Android (android.graphics.Color)	4293712370 (0xFFECD9F2)
YUV	225.5310, 8.1192, 9.1813
Hunter-Lab	85.9473, 6.2454, -4.8577

# Details

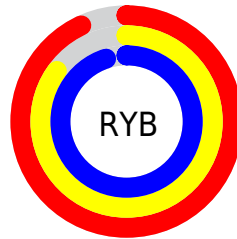
The Yxy color  $73.8694, 0.3097, 0.3033$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $84.1729, 0.3154, 0.3554$ , and the grayscale version is  $75.6369, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.0891, 0.3087, 0.2971$  is the 20% darker color. If you saturate the color by 10%, you get  $61.3271, 0.3061, 0.2771$ , and if you desaturate by 10%, it is  $88.2786, 0.3126, 0.3282$ .

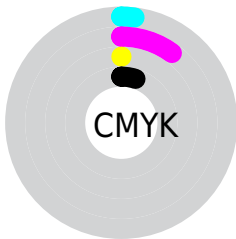
# Distribution



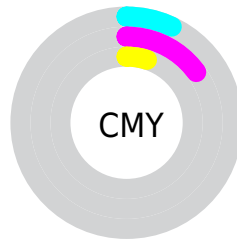
- Red (93%)
- Green (85%)
- Blue (95%)



- Red (93%)
- Yellow (85%)
- Blue (95%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)




- Cyan (7%)
- Magenta (15%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8694, 0.3097, 0.3033 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 73.8694, 0.3097, 0.3033 by changing the saturation by 10% instead.




 73.8694, 0.3097,  
0.3033

 73.8694, 0.3097,  
0.3033

474.0225, 0.3112,  
0.3149

 54.6872, 0.3093,  
0.3007


124.7107, 0.3102,  
0.3073

 39.1513, 0.3089,  
0.2975


157.1385, 0.3104,  
0.3089

 26.8775, 0.3083,  
0.2935


194.7502, 0.3106,  
0.3102

 17.4812, 0.3075,  
0.2884

237.9304, 0.3108,  
0.3114

 10.5782, 0.3064,  
0.2815

287.0633, 0.3109,  
0.3124

 5.7840, 0.3047,  
0.2718

342.5333, 0.3110,

 2.7142, 0.3018,

0.3134

0.2572

404.7249, 0.3111,  
0.3142

0.9844, 0.2963,  
0.2329

0.0000, 0.2112,  
0.0000

73.8694, 0.3097,  
0.3033

73.8694, 0.3097,  
0.3033

61.3271, 0.3061,  
0.2771

88.2786, 0.3126,  
0.3282

50.5627, 0.3019,  
0.2502

97.8034, 0.3156,  
0.3417

41.4939, 0.2971,  
0.2234

98.8726, 0.3192,  
0.3416

34.0284, 0.2916,  
0.1977

99.1884, 0.3203,  
0.3415

■ 28.0646, 0.2856,  
0.1743

■ 23.4896, 0.2792,  
0.1543

■ 20.1736, 0.2727,  
0.1385

■ 17.9624, 0.2662,  
0.1274

■ 16.6264, 0.2602,  
0.1207

# Harmonies

## Analogous

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



73.8694, 0.2932, 0.2993



73.8694, 0.3097, 0.3033



73.8694, 0.3274, 0.3136

# Triad

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



73.8694, 0.3097, 0.3033



73.8694, 0.3440, 0.3547



73.8694, 0.2847, 0.3291

# Complementary

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



73.8694, 0.3097, 0.3033



84.1729, 0.3154, 0.3554

# 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.



73.8694, 0.2977, 0.3451



73.8694, 0.3097, 0.3033



73.8694, 0.3320, 0.3600

# Square

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



73.8694, 0.3097, 0.3033



73.8694, 0.3476, 0.3428



73.8694, 0.3150, 0.3566



73.8694, 0.2791, 0.3136



# Rectangle

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



73.8694, 0.3097, 0.3033



73.8694, 0.3375, 0.3229



73.8694, 0.3150, 0.3566



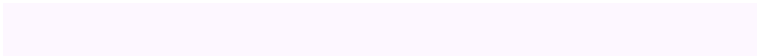
73.8694, 0.2883, 0.3347

# Sweetspot

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



73.8726, 0.3097, 0.3033



94.8712, 0.3119, 0.3217



74.0687, 0.2966, 0.3090



20.0200, 0.3117, 0.3197



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.



73.8726, 0.3097, 0.3033



80.6479, 0.3091, 0.2989



74.5404, 0.3181, 0.3099



15.8303, 0.3100, 0.3055



9.0011, 0.2612, 0.1213



0.7939, 0.2694, 0.1258



# Inverse Universe

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



73.8261, 0.3268, 0.3229



80.5958, 0.3295, 0.3218



83.5747, 0.3077, 0.3489



15.8207, 0.3256, 0.3234



10.3214, 0.5964, 0.3059

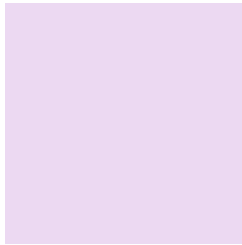


0.8737, 0.5598, 0.2857



# Previews

## White Background



This preview shows how the Yxy color 73.8694, 0.3097, 0.3033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

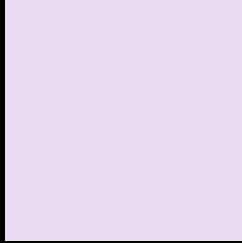
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8694, 0.3097, 0.3033 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

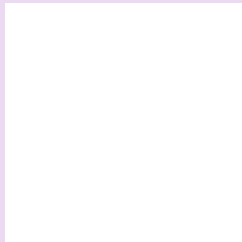
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.8694, 0.3097, 0.3033**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8694, 0.3097, 0.3033.

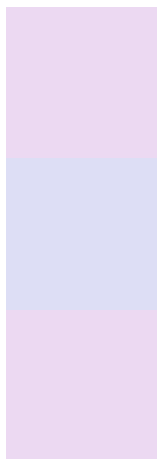


This preview shows how white text looks on a background with the Yxy color 73.8694, 0.3097, 0.3033.

# 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

73.8694, 0.3097, 0.3033

### Protanopia

74.2073, 0.2974, 0.3047

### Deuteranopia

73.8694, 0.3097, 0.3033



## Tritanopia

73.8031, 0.3135, 0.3113

# Trichromacy



## Original Color

73.8694, 0.3097, 0.3033

## Protanomaly

73.8868, 0.3014, 0.3039

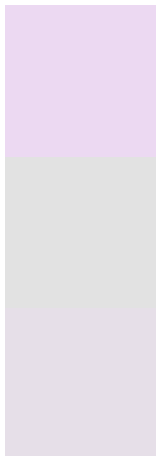
## Deuteranomaly

73.8694, 0.3097, 0.3033

## Tritanomaly

73.9780, 0.3116, 0.3083

# Monochromacy



## Original Color

73.8694, 0.3097, 0.3033

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.4245, 0.3118, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8694, 0.3097, 0.3033 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(236, 217, 242)` looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 242)  
}
```

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(236, 217, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8694, 0.3097, 0.3033 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(236, 217, 242) }
```

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

```
.border{ border-color:rgb(236, 217, 242) }
```

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

Here you see how a box with a 4 pixel rgb(236, 217, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 242);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8694, 0.3097, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 242) }
```

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

```
.background{ background-color: rgb(236,  
217, 242) }
```

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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