

# Converting Colors

$Y_{xy}(74.6790, 0.3090, 0.3024)$

Have a look what the booklet for  
Yxy(74.6790, 0.3090, 0.3024)  
contains.

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# Color

**Yxy(74.6790, 0.3090, 0.3024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDAF4
RGB	237, 218, 244
RGB Percent	93%, 85%, 96%
CMY	0.0708, 0.1450, 0.0432
CMYK	0.03, 0.11, 0.00, 0.04
HSL	284°, 54%, 91%
HSV	284°, 11%, 96%
XYZ	76.3089, 74.6790, 95.9665
YIQ	226.6450, 2.9780, 12.1140

# Conversions

## Conversions Part 2

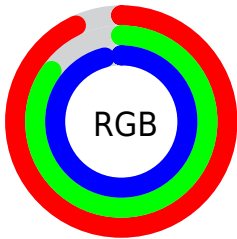
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 218, 244
Decimal	15588084
CIE Lab	89.24, 11.08, -10.30
CIE LCh	89, 15.130, 317.076
Yxy	74.6790, 0.3090, 0.3024
Android (android.graphics.Color)	4293778164 (0xFFEDDAF4)
YUV	226.6450, 8.5560, 9.0813
Hunter-Lab	86.4170, 6.3913, -5.3499

# Details

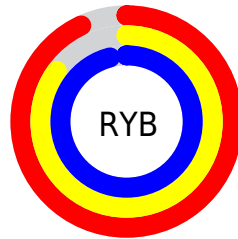
The Yxy color  $74.6790, 0.3090, 0.3024$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $85.7734, 0.3160, 0.3563$ , and the grayscale version is  $76.4767, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.6490, 0.3078, 0.2960$  is the 20% darker color. If you saturate the color by 10%, you get  $61.8259, 0.3048, 0.2760$ , and if you desaturate by 10%, it is  $89.4431, 0.3125, 0.3275$ .

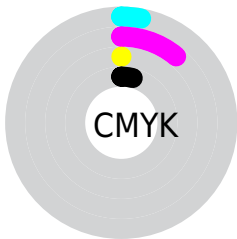
# Distribution



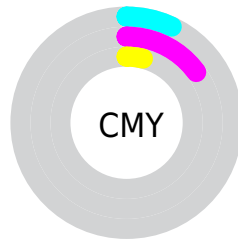
- Red (93%)
- Green (85%)
- Blue (96%)



- Red (93%)
- Yellow (85%)
- Blue (96%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)




- Cyan (7%)
- Magenta (15%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6790, 0.3090, 0.3024 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 74.6790, 0.3090, 0.3024 by changing the saturation by 10% instead.




 74.6790, 0.3090,  
0.3024

 74.6790, 0.3090,  
0.3024

476.8135, 0.3108,  
0.3144

 55.3500, 0.3086,  
0.2997


125.8579, 0.3096,  
0.3065

 39.6820, 0.3080,  
0.2964


158.4765, 0.3099,  
0.3081

 27.2907, 0.3073,  
0.2923


196.2937, 0.3101,  
0.3095

 17.7916, 0.3064,  
0.2871

239.6940, 0.3103,  
0.3108

 10.8005, 0.3051,  
0.2800

289.0618, 0.3104,  
0.3118

 5.9329, 0.3031,  
0.2701

344.7813, 0.3106,

 2.8043, 0.2998,

0.3128

0.2554

407.2371, 0.3107,  
0.3137

1.0304, 0.2935,  
0.2309

0.0000, 0.2327,  
0.0000

74.6790, 0.3090,  
0.3024

74.6790, 0.3090,  
0.3024

61.8259, 0.3048,  
0.2760

89.4431, 0.3125,  
0.3275

50.7929, 0.2998,  
0.2488

98.4078, 0.3161,  
0.3397

41.4955, 0.2941,  
0.2216

99.3107, 0.3191,  
0.3396

33.8390, 0.2877,  
0.1955

■ 27.7194, 0.2807,  
0.1715

■ 23.0206, 0.2734,  
0.1509

■ 19.6095, 0.2660,  
0.1346

■ 17.3273, 0.2586,  
0.1231

■ 15.9724, 0.2520,  
0.1162

# Harmonies

## Analogous

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



74.6790, 0.2922, 0.2986



74.6790, 0.3090, 0.3024



74.6790, 0.3272, 0.3128

# Triad

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



74.6790, 0.3090, 0.3024



74.6790, 0.3451, 0.3551



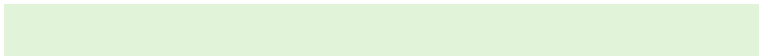
74.6790, 0.2843, 0.3297

# Complementary

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



74.6790, 0.3090, 0.3024



85.7734, 0.3160, 0.3563

# 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.



74.6790, 0.2979, 0.3460



74.6790, 0.3090, 0.3024



74.6790, 0.3330, 0.3608

# Square

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



74.6790, 0.3090, 0.3024



74.6790, 0.3484, 0.3427



74.6790, 0.3156, 0.3576



74.6790, 0.2783, 0.3137



# Rectangle

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



74.6790, 0.3090, 0.3024



74.6790, 0.3377, 0.3222



74.6790, 0.3156, 0.3576



74.6790, 0.2881, 0.3354

# Sweetspot

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



74.6822, 0.3090, 0.3024



94.8244, 0.3117, 0.3217



75.4972, 0.2961, 0.3093



20.0074, 0.3115, 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.



74.6822, 0.3090, 0.3024



78.9772, 0.3081, 0.2962



75.5812, 0.3177, 0.3084



16.5291, 0.3094, 0.3054



8.7571, 0.2532, 0.1168



0.8202, 0.2619, 0.1217



# Inverse Universe

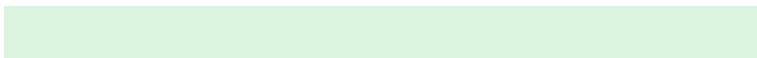
The Inverse Universe completely reimagines the original color for something new.



74.8270, 0.3268, 0.3218



79.1835, 0.3304, 0.3201



84.9641, 0.3081, 0.3505



16.5564, 0.3251, 0.3226



10.6925, 0.5863, 0.3003

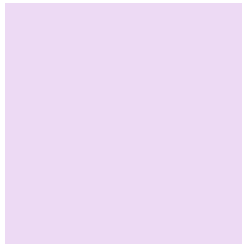


0.9563, 0.5510, 0.2809



# Previews

## White Background



This preview shows how the Yxy color 74.6790, 0.3090, 0.3024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

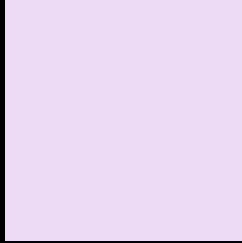
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6790, 0.3090, 0.3024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

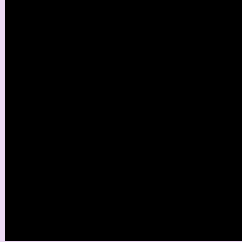
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

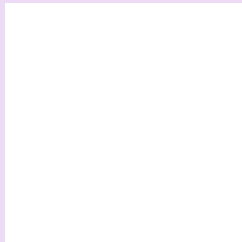
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6790, 0.3090, 0.3024**

## Background



This preview shows how black text looks on a background with the Yxy color 74.6790, 0.3090, 0.3024.

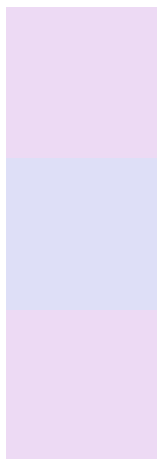


This preview shows how white text looks on a background with the Yxy color 74.6790, 0.3090, 0.3024.

# 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

74.6790, 0.3090, 0.3024

### Protanopia

75.0203, 0.2968, 0.3038

### Deuteranopia

74.6790, 0.3090, 0.3024



## Tritanopia

74.6103, 0.3129, 0.3104

# Trichromacy



## Original Color

74.6790, 0.3090, 0.3024

## Protanomaly

74.6976, 0.3008, 0.3030

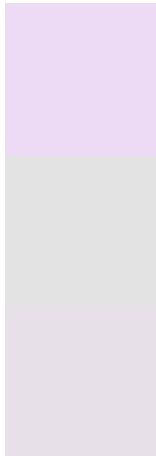
## Deuteranomaly

74.6790, 0.3090, 0.3024

## Tritanomaly

74.7872, 0.3109, 0.3074

# Monochromacy



## Original Color

74.6790, 0.3090, 0.3024

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.1834, 0.3118, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6790, 0.3090, 0.3024 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(237, 218, 244)` looks like.

```
.text, #text, p{  
    color:rgb(237, 218, 244)  
}
```

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(237, 218, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 218, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6790, 0.3090, 0.3024 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(237, 218, 244) }
```

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

```
.border{ border-color:rgb(237, 218, 244) }
```

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

Here you see how a box with a 4 pixel rgb(237, 218, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 218, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 218, 244);  
box-shadow:4px 4px 4px 4px rgb(237, 218,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6790, 0.3090, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 218, 244) }
```

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

```
.background{ background-color: rgb(237,  
218, 244) }
```

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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