

# Converting Colors

$Yxy(73.9358, 0.3016, 0.3182)$

Have a look what the booklet for  
Yxy(73.9358, 0.3016, 0.3182)  
contains.

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# Color

**Yxy(74.0035, 0.3015, 0.3182)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9E0EA
RGB	217, 224, 234
RGB Percent	85%, 88%, 92%
CMY	0.1491, 0.1215, 0.0823
CMYK	0.07, 0.04, 0.00, 0.08
HSL	215°, 29%, 88%
HSV	215°, 7%, 92%
XYZ	70.1196, 74.0035, 88.4460
YIQ	223.0470, -7.3820, 1.6260

# Conversions

## Conversions Part 2

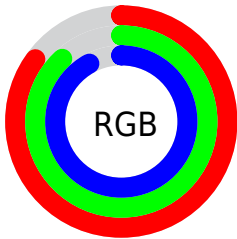
Format	Color
R <sub>Y</sub> B	217, 222, 234
Decimal	14278890
CIE Lab	88.92, -0.47, -5.71
CIE LCh	89, 5.726, 265.304
Yxy	74.0035, 0.3015, 0.3182
Android (android.graphics.Color)	4292468970 (0xFFD9E0EA)
YUV	223.0470, 5.3998, -5.3032
Hunter-Lab	86.0253, -5.0481, -0.7407

# Details

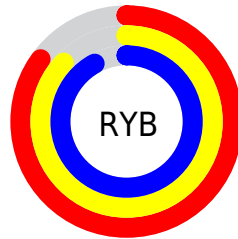
The Yxy color **74.0035, 0.3015, 0.3182** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.4389, 0.3242, 0.3396**, and the grayscale version is **73.7923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.2717, 0.2991, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **63.5770, 0.2853, 0.3018**, and if you desaturate by 10%, it is **85.5424, 0.3168, 0.3328**.

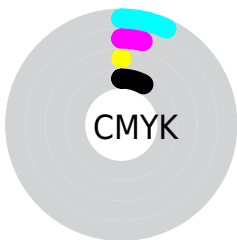
# Distribution



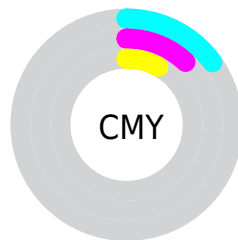
- Red (85%)
- Green (88%)
- Blue (92%)



- Red (85%)
- Yellow (87%)
- Blue (92%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (12%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0035, 0.3015, 0.3182 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 74.0035, 0.3015, 0.3182 by changing the saturation by 10% instead.



■ 74.0035, 0.3015,  
0.3182

■ 74.0035, 0.3015,  
0.3182

474.4854, 0.3067,  
0.3232

■ 54.7969, 0.3003,  
0.3171

124.9008, 0.3033,  
0.3199

■ 39.2391, 0.2989,  
0.3157

157.3602, 0.3040,  
0.3206

■ 26.9458, 0.2970,  
0.3139

195.0061, 0.3046,  
0.3212

■ 17.5325, 0.2946,  
0.3116

238.2228, 0.3051,  
0.3217

■ 10.6149, 0.2914,  
0.3084

287.3947, 0.3056,  
0.3221

■ 5.8085, 0.2867,  
0.3038

342.9061, 0.3060,

■ 2.7290, 0.2794,

0.3225

0.2967

405.1416, 0.3063,  
0.3229

0.9919, 0.2664,  
0.2840

0.0000, 0.0000,  
0.0000

74.0035, 0.3015,  
0.3182

74.0035, 0.3015,  
0.3182

63.5770, 0.2853,  
0.3018

85.5424, 0.3168,  
0.3328

54.2181, 0.2685,  
0.2836

96.5137, 0.3253,  
0.3460

45.8926, 0.2513,  
0.2637

98.7218, 0.3250,  
0.3493

38.5608, 0.2341,  
0.2423

■ 32.1798, 0.2176,  
0.2197

■ 26.7034, 0.2024,  
0.1967

■ 22.0803, 0.1892,  
0.1739

■ 18.2525, 0.1785,  
0.1522

■ 15.1485, 0.1706,  
0.1324

# Harmonies

## Analogous

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



74.0035, 0.2994, 0.3219



74.0035, 0.3015, 0.3182



74.0035, 0.3066, 0.3174

# Triad

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



74.0035, 0.3015, 0.3182



74.0035, 0.3247, 0.3302



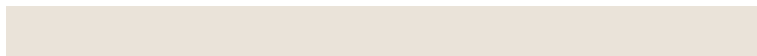
74.0035, 0.3120, 0.3387

# Complementary

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



74.0035, 0.3015, 0.3182



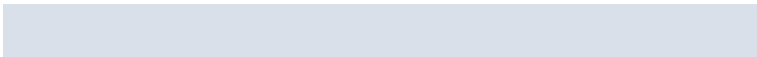
77.4389, 0.3242, 0.3396

# 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.



74.0035, 0.3188, 0.3409



74.0035, 0.3015, 0.3182



74.0035, 0.3262, 0.3359

# Square

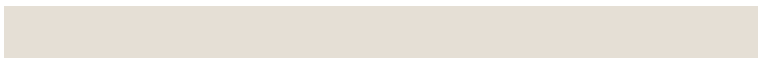
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



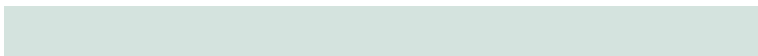
74.0035, 0.3015, 0.3182



74.0035, 0.3200, 0.3242



74.0035, 0.3240, 0.3399

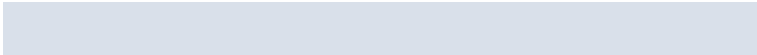


74.0035, 0.3055, 0.3339



# Rectangle

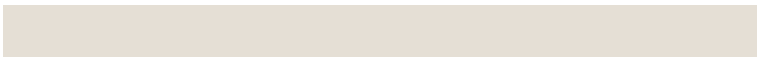
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0035, 0.3015, 0.3182



74.0035, 0.3110, 0.3185



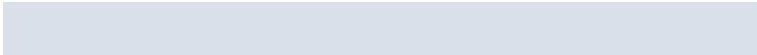
74.0035, 0.3240, 0.3399



74.0035, 0.3143, 0.3398

# Sweetspot

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



74.0066, 0.3015, 0.3182



97.1486, 0.3097, 0.3261



79.1486, 0.3057, 0.3366



20.8238, 0.3098, 0.3263



0.0000, 0.0000, 0.0000

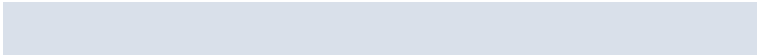


21.4041, 0.3127, 0.3290

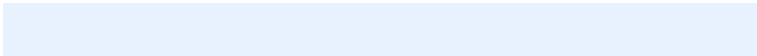


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0066, 0.3015, 0.3182



87.6010, 0.2987, 0.3155



70.5239, 0.3025, 0.3106



15.5695, 0.2980, 0.3148



8.3272, 0.1695, 0.1302



0.8393, 0.1771, 0.1575



# Inverse Universe

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



72.4935, 0.3203, 0.3216



85.3832, 0.3223, 0.3198



81.1238, 0.3225, 0.3469



15.1571, 0.3228, 0.3193



10.3334, 0.5324, 0.2706

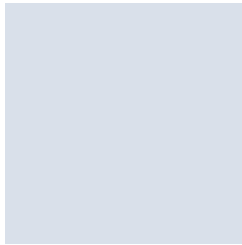


0.8301, 0.4963, 0.2508



# Previews

## White Background



This preview shows how the Yxy color 74.0035, 0.3015, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

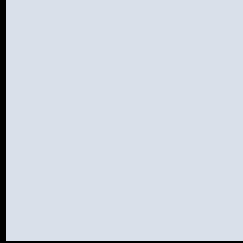
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0035, 0.3015, 0.3182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

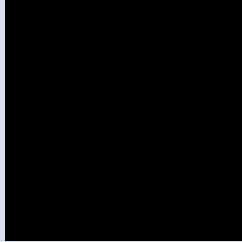
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

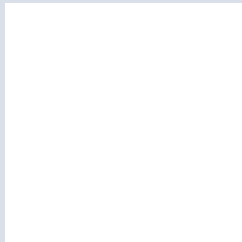
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.0035, 0.3015, 0.3182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0035, 0.3015, 0.3182.

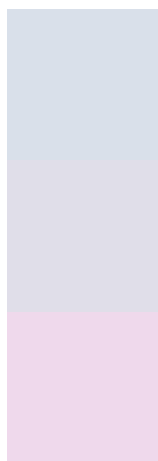


This preview shows how white text looks on a background with the Yxy color 74.0035, 0.3015, 0.3182.

# 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

74.0035, 0.3015, 0.3182

### Protanopia

73.9730, 0.3070, 0.3173

### Deuteranopia

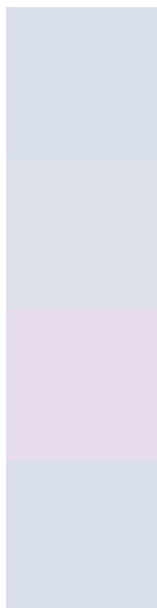
74.0326, 0.3158, 0.3094



## Tritanopia

74.0317, 0.2979, 0.3098

# Trichromacy



## Original Color

74.0035, 0.3015, 0.3182

## Protanomaly

74.0307, 0.3049, 0.3183

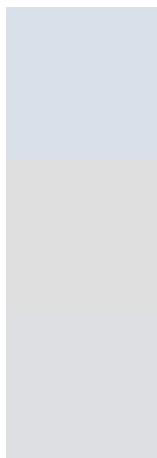
## Deuteranomaly

74.1735, 0.3106, 0.3133

## Tritanomaly

73.8538, 0.2997, 0.3129

# Monochromacy



## Original Color

74.0035, 0.3015, 0.3182

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.6936, 0.3087, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0035, 0.3015, 0.3182 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, 224, 234)` looks like.

```
.text, #text, p{  
    color:rgb(217, 224, 234)  
}
```

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, 224, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 224, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0035, 0.3015, 0.3182 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, 224, 234) }
```

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

```
.border{ border-color:rgb(217, 224, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 224, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 224, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 224, 234);  
box-shadow:4px 4px 4px 4px rgb(217, 224,  
234) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 74.0035, 0.3015, 0.3182$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 224, 234) }
```

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

```
.background{ background-color: rgb(217,  
224, 234) }
```

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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