

# Converting Colors

$Y_{xy}(75.9170, 0.3057, 0.3189)$

Have a look what the booklet for  
Yxy(75.9170, 0.3057, 0.3189)  
contains.

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# Color

**Yxy(75.6959, 0.3056, 0.3184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E1EB
RGB	224, 225, 235
RGB Percent	88%, 88%, 92%
CMY	0.1217, 0.1176, 0.0784
CMYK	0.05, 0.04, 0.00, 0.08
HSL	234°, 22%, 90%
HSV	234°, 5%, 92%
XYZ	72.6528, 75.6959, 89.3896
YIQ	225.8410, -3.8060, 2.8980

# Conversions

## Conversions Part 2

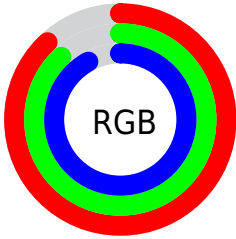
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 225, 235
Decimal	14737899
CIE Lab	89.72, 1.49, -5.00
CIE LCh	90, 5.216, 286.554
Yxy	75.6959, 0.3056, 0.3184
Android (android.graphics.Color)	4292927979 (0xFFE0E1EB)
YUV	225.8410, 4.5154, -1.6146
Hunter-Lab	87.0034, -3.1981, -0.0138

# Details

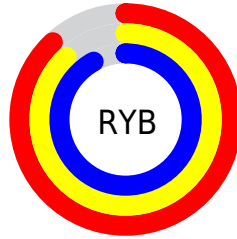
The Yxy color **75.6959, 0.3056, 0.3184** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.8662, 0.3197, 0.3394**, and the grayscale version is **75.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4391, 0.3044, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **61.4147, 0.2891, 0.2936**, and if you desaturate by 10%, it is **91.9328, 0.3202, 0.3401**.

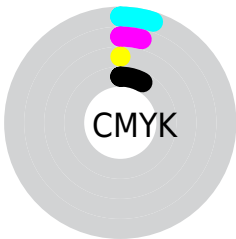
# Distribution



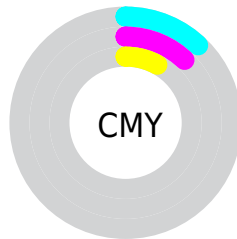
- Red (88%)
- Green (88%)
- Blue (92%)



- Red (88%)
- Yellow (88%)
- Blue (92%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6959, 0.3056, 0.3184 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 75.6959, 0.3056, 0.3184 by changing the saturation by 10% instead.



■ 75.6959, 0.3056,  
0.3184

■ 75.6959, 0.3056,  
0.3184

480.3061, 0.3089,  
0.3233

■ 56.1832, 0.3049,  
0.3173

127.2970, 0.3067,  
0.3201

■ 40.3498, 0.3039,  
0.3159

160.1541, 0.3072,  
0.3207

■ 27.8114, 0.3028,  
0.3142

198.2281, 0.3076,  
0.3213

■ 18.1835, 0.3013,  
0.3120

241.9035, 0.3079,  
0.3218

■ 11.0818, 0.2992,  
0.3090

291.5646, 0.3082,  
0.3222

■ 6.1219, 0.2962,  
0.3047

347.5958, 0.3084,

■ 2.9193, 0.2916,

0.3226

0.2981

410.3815, 0.3087,  
0.3230

1.0898, 0.2835,  
0.2866

0.0000, 0.0205,  
0.0000

75.6959, 0.3056,  
0.3184

75.6959, 0.3056,  
0.3184

61.4147, 0.2891,  
0.2936

91.9328, 0.3202,  
0.3401

49.0061, 0.2709,  
0.2658

98.7791, 0.3244,  
0.3483

38.3951, 0.2512,  
0.2352

29.4982, 0.2306,  
0.2026

■ 22.2251, 0.2100,  
0.1694

■ 16.4772, 0.1908,  
0.1374

■ 12.1451, 0.1742,  
0.1089

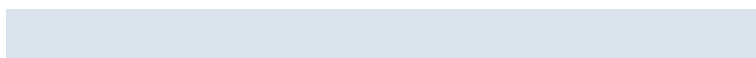
■ 9.1046, 0.1617,  
0.0862

■ 7.2095, 0.1540,  
0.0706

# Harmonies

## Analogous

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



75.6959, 0.3017, 0.3200



75.6959, 0.3056, 0.3184



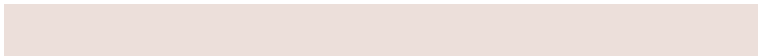
75.6959, 0.3114, 0.3196

# Triad

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



75.6959, 0.3056, 0.3184



75.6959, 0.3249, 0.3338



75.6959, 0.3078, 0.3349

# Complementary

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



75.6959, 0.3056, 0.3184



81.8662, 0.3197, 0.3394

# Split Complementary

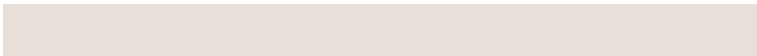
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6959, 0.3139, 0.3387



75.6959, 0.3056, 0.3184



75.6959, 0.3238, 0.3380

# Square

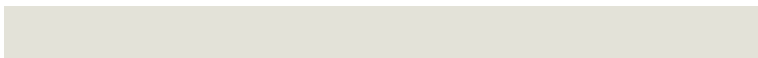
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6959, 0.3056, 0.3184



75.6959, 0.3226, 0.3285



75.6959, 0.3198, 0.3398



75.6959, 0.3030, 0.3295



# Rectangle

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



75.6959, 0.3056, 0.3184



75.6959, 0.3156, 0.3218



75.6959, 0.3198, 0.3398



75.6959, 0.3097, 0.3364

# Sweetspot

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



75.6991, 0.3056, 0.3184



98.0570, 0.3112, 0.3268



81.2018, 0.3061, 0.3301



21.0087, 0.3113, 0.3269



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.



75.6991, 0.3056, 0.3184



88.7003, 0.3035, 0.3153



75.8447, 0.3087, 0.3174



15.6731, 0.3026, 0.3139



3.7491, 0.1518, 0.0666



0.3733, 0.1561, 0.0820



# Inverse Universe

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



76.3911, 0.3198, 0.3279



89.7643, 0.3219, 0.3276



81.7266, 0.3166, 0.3406



15.8821, 0.3229, 0.3275



9.8713, 0.6290, 0.3238

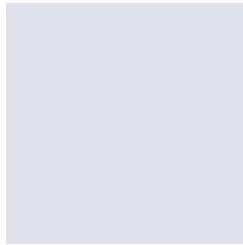


0.7831, 0.6038, 0.3100



# Previews

## White Background



This preview shows how the Yxy color 75.6959, 0.3056, 0.3184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

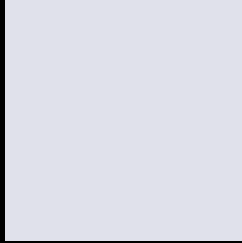
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6959, 0.3056, 0.3184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

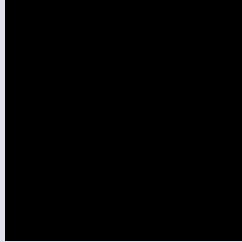
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

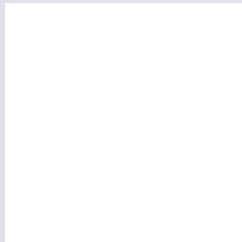
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.6959, 0.3056, 0.3184**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6959, 0.3056, 0.3184.

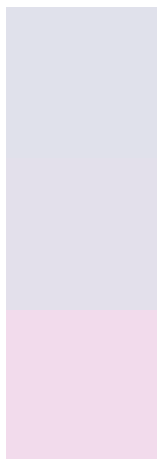


This preview shows how white text looks on a background with the Yxy color 75.6959, 0.3056, 0.3184.

# 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

75.6959, 0.3056, 0.3184

### Protanopia

75.6404, 0.3077, 0.3174

### Deuteranopia

75.5964, 0.3178, 0.3116



## Tritanopia

75.7297, 0.3019, 0.3101

# Trichromacy



## Original Color

75.6959, 0.3056, 0.3184

## Protanomaly

75.4782, 0.3070, 0.3174

## Deuteranomaly

75.4312, 0.3127, 0.3135

## Tritanomaly

75.5509, 0.3038, 0.3132

# Monochromacy



## Original Color

75.6959, 0.3056, 0.3184

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

76.0574, 0.3101, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  75.6959, 0.3056, 0.3184 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(224, 225, 235)` looks like.

```
.text, #text, p{  
    color:rgb(224, 225, 235)  
}
```

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(224, 225, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 225, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6959, 0.3056, 0.3184 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(224, 225, 235) }
```

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

```
.border{ border-color:rgb(224, 225, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 225, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 225, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 225, 235);  
box-shadow:4px 4px 4px 4px rgb(224, 225,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6959, 0.3056, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 225, 235) }
```

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

```
.background{ background-color: rgb(224,  
225, 235) }
```

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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