

# Converting Colors

$Yxy(77.0608, 0.3109, 0.3216)$

Have a look what the booklet for  
Yxy(77.0608, 0.3109, 0.3216)  
contains.

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# Color

**Yxy(77.0989, 0.3110, 0.3217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E2E9
RGB	230, 226, 233
RGB Percent	90%, 89%, 91%
CMY	0.0980, 0.1137, 0.0864
CMYK	0.01, 0.03, 0.00, 0.09
HSL	274°, 14%, 90%
HSV	274°, 3%, 91%
XYZ	74.5345, 77.0989, 88.0274
YIQ	227.9940, 0.1370, 3.0250

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 226, 233
Decimal	15131369
CIE Lab	90.37, 2.60, -2.92
CIE LCh	90, 3.914, 311.655
Yxy	77.0989, 0.3110, 0.3217
Android (android.graphics.Color)	4293321449 (0xFFE6E2E9)
YUV	227.9940, 2.4680, 1.7593
Hunter-Lab	87.8060, -2.1399, 2.0246

# Details

The Yxy color `77.0989, 0.3110, 0.3217` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.4137, 0.3144, 0.3363`, and the grayscale version is `77.5611, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.4141, 0.3113, 0.3209` is the 20% darker color. If you saturate the color by 10%, you get `63.6794, 0.3046, 0.2960`, and if you desaturate by 10%, it is `92.3407, 0.3164, 0.3454`.

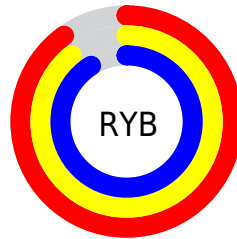
# Distribution



Red (90%)

Green (89%)

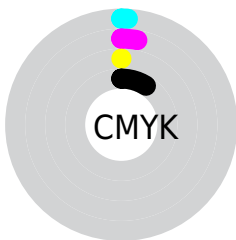
Blue (91%)



Red (90%)

Yellow (89%)

Blue (91%)

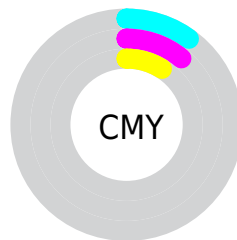


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (9%)



Cyan (10%)

Magenta (11%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0989, 0.3110, 0.3217 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 77.0989, 0.3110, 0.3217 by changing the saturation by 10% instead.



■ 77.0989, 0.3110,  
0.3217

■ 77.0989, 0.3110,  
0.3217

485.1012, 0.3118,  
0.3250

■ 57.3340, 0.3108,  
0.3209

129.2791, 0.3113,  
0.3229

■ 41.2735, 0.3106,  
0.3200

162.4632, 0.3114,  
0.3233

■ 28.5329, 0.3103,  
0.3189

200.8892, 0.3115,  
0.3237

■ 18.7277, 0.3099,  
0.3174

244.9415, 0.3116,  
0.3240

■ 11.4737, 0.3094,  
0.3153

295.0044, 0.3116,  
0.3243

■ 6.3864, 0.3087,  
0.3124

351.4624, 0.3117,

■ 3.0814, 0.3075,

0.3246

0.3080

414.6999, 0.3117,  
0.3248

■ 1.1744, 0.3055,  
0.3003

■ 0.0406, 0.2609,  
0.1038

■ 77.0989, 0.3110,  
0.3217

■ 77.0989, 0.3110,  
0.3217

■ 63.6794, 0.3046,  
0.2960

■ 92.3407, 0.3164,  
0.3454

■ 52.0017, 0.2971,  
0.2686

■ 97.7104, 0.3223,  
0.3505

■ 41.9941, 0.2884,  
0.2400

■ 98.6620, 0.3256,  
0.3503

■ 33.5757, 0.2787,  
0.2110

■ 26.6588, 0.2680,  
0.1827

■ 21.1471, 0.2566,  
0.1565

■ 16.9324, 0.2450,  
0.1337

■ 13.8904, 0.2336,  
0.1155

■ 11.8707, 0.2229,  
0.1026

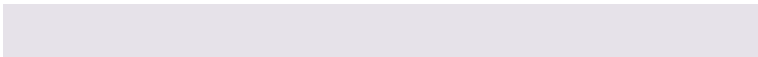
# Harmonies

## Analogous

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



77.0989, 0.3068, 0.3211



77.0989, 0.3110, 0.3217



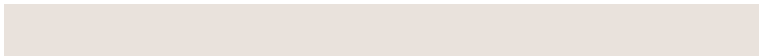
77.0989, 0.3157, 0.3242

# Triad

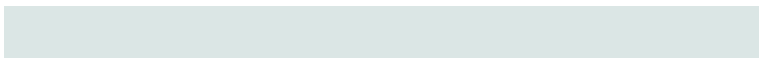
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0989, 0.3110, 0.3217



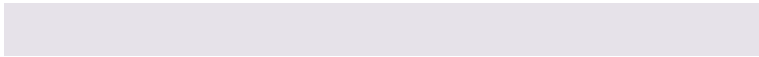
77.0989, 0.3213, 0.3353



77.0989, 0.3059, 0.3301

# Complementary

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



77.0989, 0.3110, 0.3217



80.4137, 0.3144, 0.3363

# 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.



77.0989, 0.3097, 0.3339



77.0989, 0.3110, 0.3217



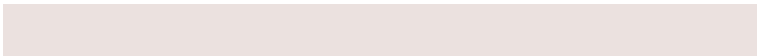
77.0989, 0.3186, 0.3370

# Square

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



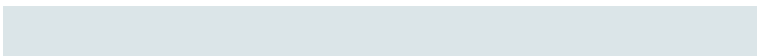
77.0989, 0.3110, 0.3217



77.0989, 0.3216, 0.3320



77.0989, 0.3144, 0.3365



77.0989, 0.3039, 0.3259



# Rectangle

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



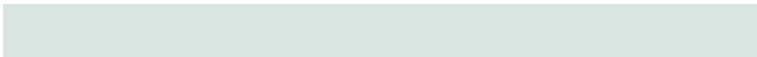
77.0989, 0.3110, 0.3217



77.0989, 0.3184, 0.3266



77.0989, 0.3144, 0.3365



77.0989, 0.3070, 0.3314

# Sweetspot

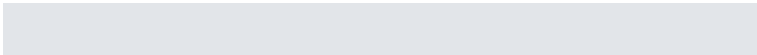
The Sweet Spot groups the original color and five complimentary colors.



77.1022, 0.3110, 0.3217



98.1777, 0.3121, 0.3266



78.1069, 0.3082, 0.3248



21.0333, 0.3122, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

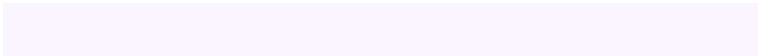


# Same Dimension

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



77.1022, 0.3110, 0.3217



92.8464, 0.3104, 0.3192



77.5729, 0.3134, 0.3222



16.3863, 0.3100, 0.3174



6.2614, 0.2173, 0.0971

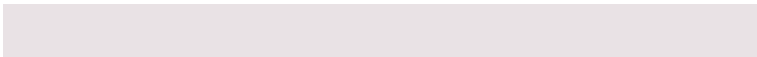


0.5482, 0.2312, 0.1047



# Inverse Universe

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



77.3739, 0.3156, 0.3259



93.2934, 0.3167, 0.3248



79.9533, 0.3121, 0.3359



16.4803, 0.3174, 0.3241



10.3711, 0.5262, 0.2672

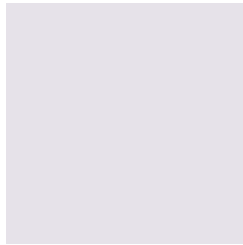


0.8333, 0.4909, 0.2478



# Previews

## White Background



This preview shows how the Yxy color 77.0989, 0.3110, 0.3217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

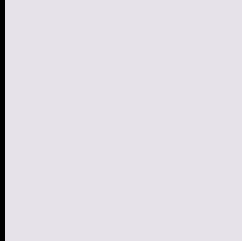
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.0989, 0.3110, 0.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

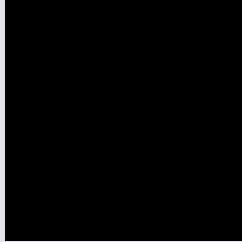
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

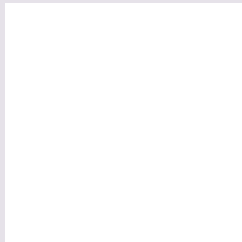
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.0989, 0.3110, 0.3217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.0989, 0.3110, 0.3217.

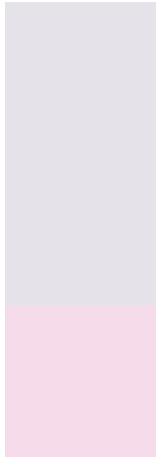


This preview shows how white text looks on a background with the Yxy color 77.0989, 0.3110, 0.3217.

# 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

77.0989, 0.3110, 0.3217

### Protanopia

77.0989, 0.3110, 0.3217

### Deuteranopia

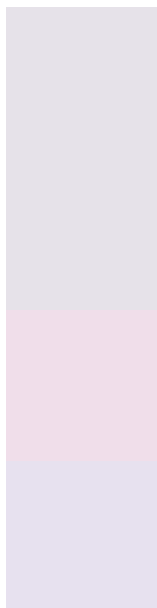
76.7197, 0.3219, 0.3148



## Tritanopia

77.2502, 0.3060, 0.3114

# Trichromacy



## Original Color

77.0989, 0.3110, 0.3217

## Protanomaly

77.0989, 0.3110, 0.3217

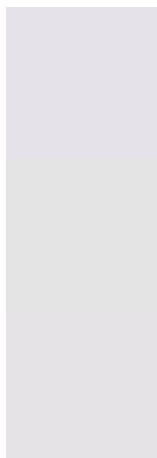
## Deuteranomaly

76.7083, 0.3175, 0.3167

## Tritanomaly

77.0713, 0.3079, 0.3145

# Monochromacy



## Original Color

77.0989, 0.3110, 0.3217

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.3094, 0.3122, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.0989, 0.3110, 0.3217 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(230, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(230, 226, 233)  
}
```

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(230, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 226, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 77.0989, 0.3110, 0.3217 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(230, 226, 233) }
```

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

```
.border{ border-color:rgb(230, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(230, 226,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.0989, 0.3110, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 226, 233) }
```

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

```
.background{ background-color: rgb(230,  
226, 233) }
```

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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