

# Converting Colors

$Yxy(77.4937, 0.3207, 0.3239)$

Have a look what the booklet for  
Yxy(77.4937, 0.3207, 0.3239)  
contains.

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# Color

**Yxy(77.4937, 0.3207, 0.3239)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0E0E5
RGB	240, 224, 229
RGB Percent	94%, 88%, 90%
CMY	0.0589, 0.1215, 0.1020
CMYK	0.00, 0.07, 0.05, 0.06
HSL	341°, 35%, 91%
HSV	341°, 7%, 94%
XYZ	76.7281, 77.4937, 85.0301
YIQ	229.3540, 7.9310, 4.9470

# Conversions

## Conversions Part 2

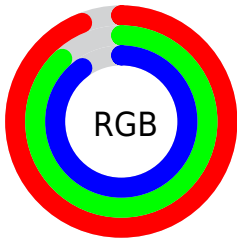
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 224, 229
Decimal	15786213
CIE Lab	90.55, 6.30, -0.47
CIE LCh	91, 6.317, 355.711
Yxy	77.4937, 0.3207, 0.3239
Android (android.graphics.Color)	4293976293 (0xFFFF0E0E5)
YUV	229.3540, -0.1745, 9.3365
Hunter-Lab	88.0305, 1.5286, 4.3522

# Details

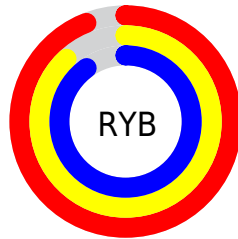
The Yxy color **77.4937, 0.3207, 0.3239** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84.1605, 0.3053, 0.3342**, and the grayscale version is **78.6260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6223, 0.3222, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **64.6143, 0.3350, 0.3158**, and if you desaturate by 10%, it is **92.2884, 0.3091, 0.3315**.

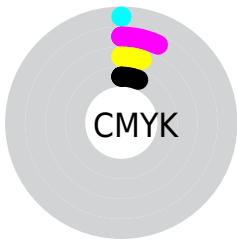
# Distribution



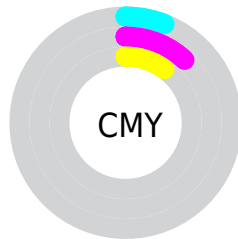
- Red (94%)
- Green (88%)
- Blue (90%)



- Red (94%)
- Yellow (88%)
- Blue (90%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (12%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4937, 0.3207, 0.3239 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 77.4937, 0.3207, 0.3239 by changing the saturation by 10% instead.




 77.4937, 0.3207,  
0.3239

 77.4937, 0.3207,  
0.3239

486.4457, 0.3171,  
0.3262

 57.6582, 0.3215,  
0.3234


129.8362, 0.3194,  
0.3247

 41.5339, 0.3225,  
0.3227

163.1119, 0.3189,  
0.3250

 28.7365, 0.3238,  
0.3219


201.6364, 0.3185,  
0.3253

 18.8816, 0.3255,  
0.3208

245.7942, 0.3182,  
0.3255

 11.5847, 0.3277,  
0.3194

295.9696, 0.3178,  
0.3257

 6.4616, 0.3310,  
0.3174

352.5471, 0.3175,

 3.1277, 0.3359,

0.3259

0.3142

415.9110, 0.3173,  
0.3261

■ 1.1988, 0.3446,  
0.3087

■ 0.0607, 0.5695,  
0.1635

■ 77.4937, 0.3207,  
0.3239

■ 77.4937, 0.3207,  
0.3239

■ 64.6143, 0.3350,  
0.3158

■ 92.2884, 0.3091,  
0.3315

■ 53.5617, 0.3524,  
0.3074

■ 97.2629, 0.3035,  
0.3290

■ 44.2555, 0.3737,  
0.2989

■ 36.6056, 0.3993,  
0.2908

■ 30.5133, 0.4292,  
0.2841

■ 25.8699, 0.4630,  
0.2797

■ 22.5521, 0.4991,  
0.2790

■ 20.4157, 0.5348,  
0.2829

■ 19.2797, 0.5666,  
0.2915

# Harmonies

## Analogous

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



77.4937, 0.3135, 0.3188



77.4937, 0.3207, 0.3239



77.4937, 0.3258, 0.3304

# Triad

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



77.4937, 0.3207, 0.3239



77.4937, 0.3192, 0.3420



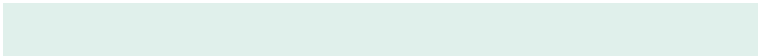
77.4937, 0.2983, 0.3212

# Complementary

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



77.4937, 0.3207, 0.3239



84.1605, 0.3053, 0.3342

# 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.



77.4937, 0.2998, 0.3275



77.4937, 0.3207, 0.3239



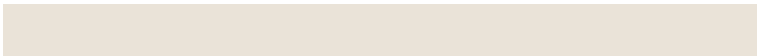
77.4937, 0.3118, 0.3395

# Square

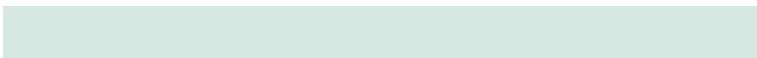
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4937, 0.3207, 0.3239



77.4937, 0.3249, 0.3408



77.4937, 0.3047, 0.3342



77.4937, 0.3006, 0.3172

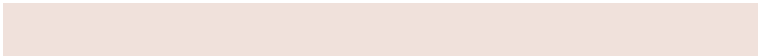


# Rectangle

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



77.4937, 0.3207, 0.3239



77.4937, 0.3273, 0.3346



77.4937, 0.3047, 0.3342



77.4937, 0.2984, 0.3231

# Sweetspot

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



77.4971, 0.3207, 0.3239



96.5649, 0.3150, 0.3275



77.2583, 0.3100, 0.3126



20.7048, 0.3149, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

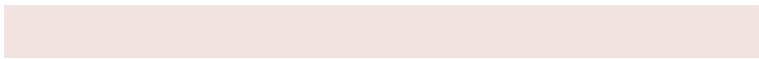
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4971, 0.3207, 0.3239



86.7958, 0.3225, 0.3228



78.8112, 0.3238, 0.3321



15.8399, 0.3244, 0.3217



10.4379, 0.5721, 0.2925



0.8856, 0.5349, 0.2720



# Inverse Universe

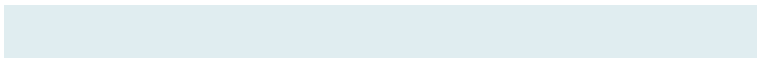
The Inverse Universe completely reimagines the original color for something new.



77.4971, 0.3207, 0.3239



86.7958, 0.3225, 0.3228



82.7417, 0.3024, 0.3259



15.8399, 0.3244, 0.3217



10.4379, 0.5721, 0.2925

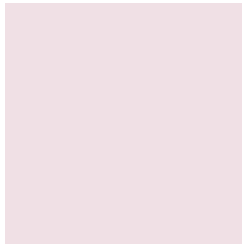


0.8856, 0.5349, 0.2720



# Previews

## White Background



This preview shows how the Yxy color 77.4937, 0.3207, 0.3239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

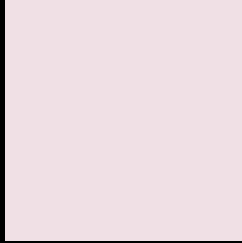
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4937, 0.3207, 0.3239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

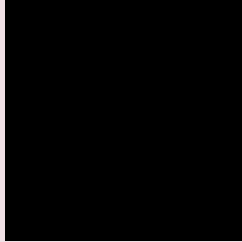
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

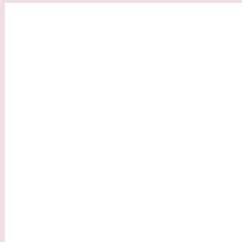
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.4937, 0.3207, 0.3239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4937, 0.3207, 0.3239.

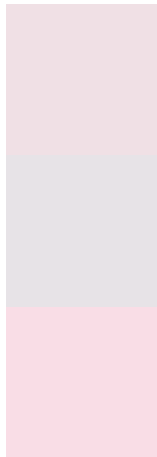


This preview shows how white text looks on a background with the Yxy color 77.4937, 0.3207, 0.3239.

# 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

77.4937, 0.3207, 0.3239

### Protanopia

77.6966, 0.3129, 0.3248

### Deuteranopia

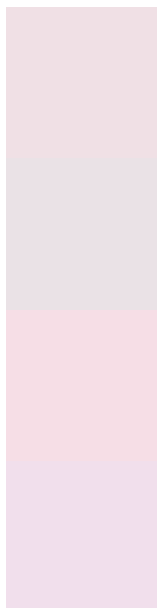
77.5658, 0.3267, 0.3199



## Tritanopia

77.4111, 0.3150, 0.3107

# Trichromacy



## Original Color

77.4937, 0.3207, 0.3239

## Protanomaly

77.5983, 0.3157, 0.3248

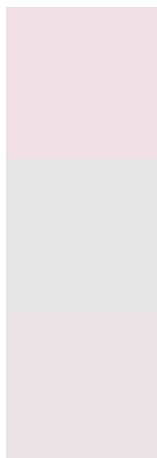
## Deuteranomaly

77.5486, 0.3245, 0.3209

## Tritanomaly

77.5323, 0.3168, 0.3157

# Monochromacy



## Original Color

77.4937, 0.3207, 0.3239

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

77.9190, 0.3156, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4937, 0.3207, 0.3239 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(240, 224, 229)` looks like.

```
.text, #text, p{  
    color:rgb(240, 224, 229)  
}
```

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(240, 224, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 224, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4937, 0.3207, 0.3239 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(240, 224, 229) }
```

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

```
.border{ border-color:rgb(240, 224, 229) }
```

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

Here you see how a box with a 4 pixel rgb(240, 224, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 224, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 224, 229);  
box-shadow:4px 4px 4px 4px rgb(240, 224,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4937, 0.3207, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 224, 229) }
```

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

```
.background{ background-color: rgb(240,  
224, 229) }
```

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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