

# Converting Colors

$Y_{xy}(77.9737, 0.3262, 0.3255)$

Have a look what the booklet for  
Yxy(77.9737, 0.3262, 0.3255)  
contains.

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# Color

**Yxy(77.9142, 0.3264, 0.3250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6DFE3
RGB	246, 223, 227
RGB Percent	96%, 87%, 89%
CMY	0.0354, 0.1254, 0.1099
CMYK	0.00, 0.09, 0.08, 0.04
HSL	350°, 56%, 92%
HSV	350°, 9%, 96%
XYZ	78.2498, 77.9142, 83.5720
YIQ	230.3330, 12.4240, 6.1200

# Conversions

## Conversions Part 2

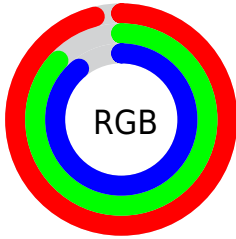
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 223, 227
Decimal	16179171
CIE Lab	90.74, 8.53, 0.92
CIE LCh	91, 8.577, 6.145
Yxy	77.9142, 0.3264, 0.3250
Android (android.graphics.Color)	4294369251 (0xFF6DFE3)
YUV	230.3330, -1.6432, 13.7400
Hunter-Lab	88.2690, 3.7681, 5.6533

# Details

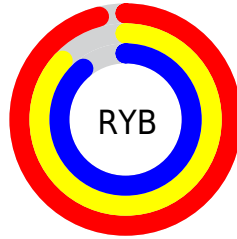
The Yxy color  $77.9142, 0.3264, 0.3250$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $87.9991, 0.3006, 0.3330$ , and the grayscale version is  $79.3949, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.9310, 0.3296, 0.3238$  is the 20% darker color. If you saturate the color by 10%, you get  $64.6553, 0.3445, 0.3204$ , and if you desaturate by 10%, it is  $93.2222, 0.3118, 0.3293$ .

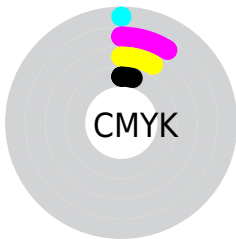
# Distribution



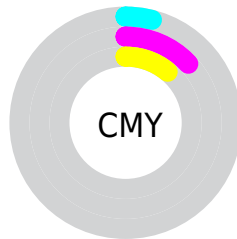
- Red (96%)
- Green (87%)
- Blue (89%)



- Red (96%)
- Yellow (87%)
- Blue (89%)



- Cyan (0%)
- Magenta (9%)
- Yellow (8%)
- Black (4%)




- Cyan (4%)
- Magenta (13%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9142, 0.3264, 0.3250 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 77.9142, 0.3264, 0.3250 by changing the saturation by 10% instead.




 77.9142, 0.3264,  
0.3250

 77.9142, 0.3264,  
0.3250


487.8754, 0.3201,  
0.3269

 58.0035, 0.3278,  
0.3246


130.4292, 0.3242,  
0.3256

 41.8115, 0.3296,  
0.3241


163.8022, 0.3234,  
0.3259

 28.9537, 0.3318,  
0.3234


202.4315, 0.3227,  
0.3261

 19.0458, 0.3346,  
0.3225

246.7014, 0.3220,  
0.3263

 11.7034, 0.3385,  
0.3214

296.9964, 0.3215,  
0.3265

 6.5420, 0.3441,  
0.3197

353.7008, 0.3210,

 3.1774, 0.3526,

0.3266

0.3170

417.1990, 0.3205,  
0.3267

■ 1.2250, 0.3677,  
0.3123

■ 0.0820, 0.7276,  
0.2085

■ 77.9142, 0.3264,  
0.3250

■ 77.9142, 0.3264,  
0.3250

■ 64.6553, 0.3445,  
0.3204

■ 93.2222, 0.3118,  
0.3293

■ 53.3486, 0.3669,  
0.3157

■ 98.3285, 0.3072,  
0.3290

■ 43.9047, 0.3943,  
0.3111

■ 36.2233, 0.4274,  
0.3069

■ 30.1946, 0.4658,  
0.3040

■ 25.6965, 0.5081,  
0.3030

■ 22.5898, 0.5506,  
0.3049

■ 20.7098, 0.5882,  
0.3100

■ 19.8045, 0.6161,  
0.3172

# Harmonies

## Analogous

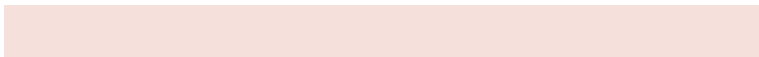
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9142, 0.3173, 0.3173



77.9142, 0.3264, 0.3250



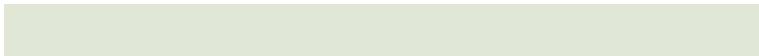
77.9142, 0.3318, 0.3338

# Triad

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



77.9142, 0.3264, 0.3250



77.9142, 0.3182, 0.3460



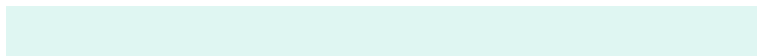
77.9142, 0.2937, 0.3161

# Complementary

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



77.9142, 0.3264, 0.3250



87.9991, 0.3006, 0.3330

# Split Complementary

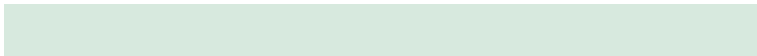
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9142, 0.2940, 0.3237



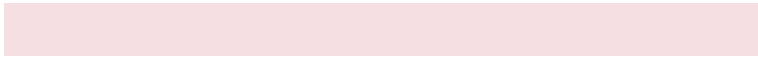
77.9142, 0.3264, 0.3250



77.9142, 0.3080, 0.3412

# Square

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



77.9142, 0.3264, 0.3250



77.9142, 0.3270, 0.3461



77.9142, 0.2992, 0.3329



77.9142, 0.2985, 0.3122



# Rectangle

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



77.9142, 0.3264, 0.3250



77.9142, 0.3326, 0.3393



77.9142, 0.2992, 0.3329



77.9142, 0.2932, 0.3183

# Sweetspot

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



77.9176, 0.3264, 0.3250



94.8148, 0.3168, 0.3277



78.2725, 0.3109, 0.3059



20.0051, 0.3180, 0.3274



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

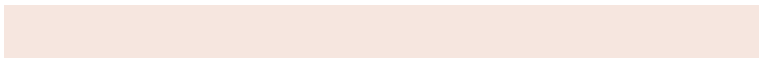
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9176, 0.3264, 0.3250



81.9852, 0.3292, 0.3243



81.6706, 0.3283, 0.3364



16.5292, 0.3266, 0.3249



10.5629, 0.6144, 0.3158



0.9413, 0.5827, 0.2983



# Inverse Universe

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



77.9176, 0.3264, 0.3250



81.9852, 0.3292, 0.3243



83.9036, 0.2983, 0.3215



16.5292, 0.3266, 0.3249



10.5629, 0.6144, 0.3158

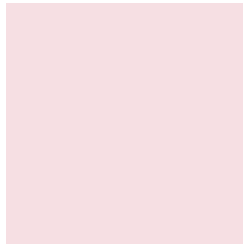


0.9413, 0.5827, 0.2983



# Previews

## White Background



This preview shows how the Yxy color 77.9142, 0.3264, 0.3250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

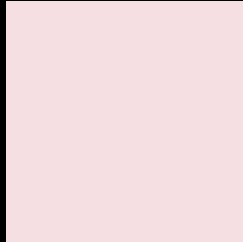
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9142, 0.3264, 0.3250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

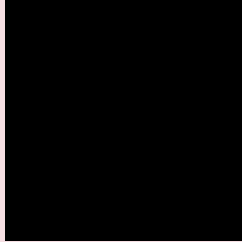
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

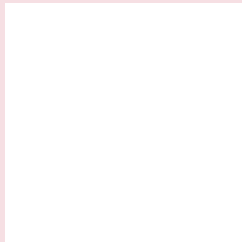
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.9142, 0.3264, 0.3250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9142, 0.3264, 0.3250.

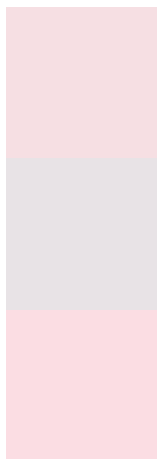


This preview shows how white text looks on a background with the Yxy color 77.9142, 0.3264, 0.3250.

# 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

77.9142, 0.3264, 0.3250

### Protanopia

77.8071, 0.3142, 0.3259

### Deuteranopia

77.7682, 0.3302, 0.3230



## Tritanopia

77.9014, 0.3199, 0.3110

# Trichromacy



## Original Color

77.9142, 0.3264, 0.3250

## Protanomaly

78.0544, 0.3184, 0.3259

## Deuteranomaly

77.9283, 0.3287, 0.3240

## Tritanomaly

78.0149, 0.3218, 0.3159

# Monochromacy



## Original Color

77.9142, 0.3264, 0.3250

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.4282, 0.3177, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9142, 0.3264, 0.3250 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(246, 223, 227)` looks like.

```
.text, #text, p{  
    color:rgb(246, 223, 227)  
}
```

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(246, 223, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 223, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9142, 0.3264, 0.3250 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(246, 223, 227) }
```

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

```
.border{ border-color:rgb(246, 223, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 223, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 223, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 223, 227);  
box-shadow:4px 4px 4px 4px rgb(246, 223,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9142, 0.3264, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 223, 227) }
```

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

```
.background{ background-color: rgb(246,  
223, 227) }
```

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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