

# Converting Colors

$Y_{xy}(77.6178, 0.3316, 0.3185)$

Have a look what the booklet for  
Yxy(77.6178, 0.3316, 0.3185)  
contains.

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# Color

**Yxy(77.6362, 0.3313, 0.3181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBE6
RGB	255, 219, 230
RGB Percent	100%, 86%, 90%
CMY	0.0000, 0.1412, 0.0981
CMYK	0.00, 0.14, 0.10, 0.00
HSL	342°, 100%, 93%
HSV	342°, 14%, 100%
XYZ	80.8578, 77.6362, 85.5682
YIQ	231.0180, 17.9250, 11.0530

# Conversions

## Conversions Part 2

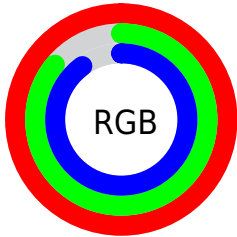
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 219, 230
Decimal	16767974
CIE Lab	90.61, 14.23, -0.75
CIE LCh	91, 14.245, 356.992
Yxy	77.6362, 0.3313, 0.3181
Android (android.graphics.Color)	4294958054 (0xFFFFDBE6)
YUV	231.0180, -0.5019, 21.0322
Hunter-Lab	88.1114, 9.6104, 4.0993

# Details

The Yxy color **77.6362, 0.3313, 0.3181** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.1132, 0.2970, 0.3402**, and the grayscale version is **79.9163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6518, 0.3351, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **64.3878, 0.3481, 0.3099**, and if you desaturate by 10%, it is **93.0218, 0.3176, 0.3259**.

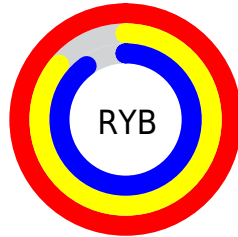
# Distribution



Red (100%)

Green (86%)

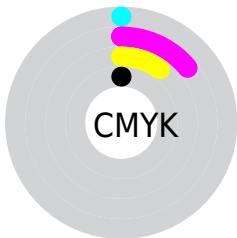
Blue (90%)



Red (100%)

Yellow (86%)

Blue (90%)

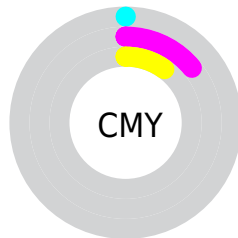


Cyan (0%)

Magenta (14%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6362, 0.3313, 0.3181 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 77.6362, 0.3313, 0.3181 by changing the saturation by 10% instead.




 77.6362, 0.3313,  
0.3181

 77.6362, 0.3313,  
0.3181


486.9304, 0.3228,  
0.3231

 57.7752, 0.3332,  
0.3170


130.0372, 0.3284,  
0.3198

 41.6279, 0.3356,  
0.3156


163.3459, 0.3272,  
0.3205

 28.8101, 0.3386,  
0.3139


201.9059, 0.3262,  
0.3211

 18.9372, 0.3424,  
0.3116

246.1018, 0.3254,  
0.3216

 11.6249, 0.3476,  
0.3086

296.3177, 0.3246,  
0.3220

 6.4888, 0.3551,  
0.3043

352.9382, 0.3239,

 3.1445, 0.3665,

0.3224

0.2977

416.3477, 0.3233,  
0.3228

■ 1.2076, 0.3864,  
0.2863

■ 0.0679, 0.6796,  
0.1121

■ 77.6362, 0.3313,  
0.3181

■ 77.6362, 0.3313,  
0.3181

■ 64.3878, 0.3481,  
0.3099

■ 93.0218, 0.3176,  
0.3259

■ 53.1842, 0.3687,  
0.3015

100.0000, 0.3127,  
0.3290

■ 43.9217, 0.3935,  
0.2934

■ 36.4885, 0.4228,  
0.2864

■ 30.7616, 0.4563,  
0.2815

■ 26.6023, 0.4926,  
0.2800

■ 23.8501, 0.5291,  
0.2828

■ 22.3092, 0.5623,  
0.2905

■ 21.8065, 0.5794,  
0.2965

# Harmonies

## Analogous

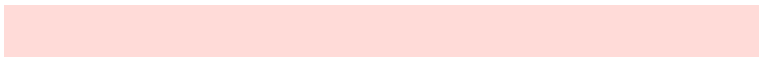
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6362, 0.3150, 0.3068



77.6362, 0.3313, 0.3181



77.6362, 0.3427, 0.3323

# Triad

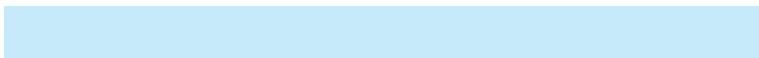
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6362, 0.3313, 0.3181



77.6362, 0.3266, 0.3585



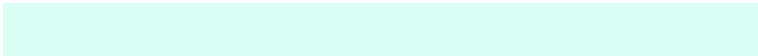
77.6362, 0.2806, 0.3107

# Complementary

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



77.6362, 0.3313, 0.3181



93.1132, 0.2970, 0.3402

# 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.



77.6362, 0.2836, 0.3245



77.6362, 0.3313, 0.3181



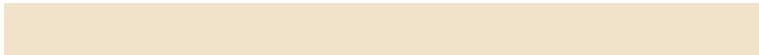
77.6362, 0.3098, 0.3527

# Square

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



77.6362, 0.3313, 0.3181



77.6362, 0.3399, 0.3558



77.6362, 0.2941, 0.3401



77.6362, 0.2860, 0.3023

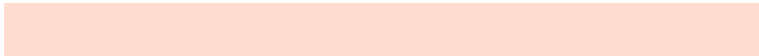


# Rectangle

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



77.6362, 0.3313, 0.3181



77.6362, 0.3459, 0.3418



77.6362, 0.2941, 0.3401



77.6362, 0.2807, 0.3149

# Sweetspot

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



77.6351, 0.3313, 0.3181



93.2156, 0.3174, 0.3260



77.0449, 0.3065, 0.2931



19.6874, 0.3184, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

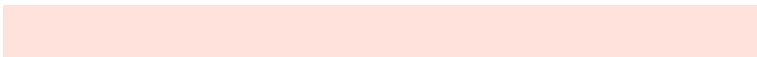
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6351, 0.3313, 0.3181



73.6012, 0.3358, 0.3158



80.5501, 0.3380, 0.3357



18.0783, 0.3246, 0.3218



11.4175, 0.5751, 0.2942



1.1302, 0.5431, 0.2765



# Inverse Universe

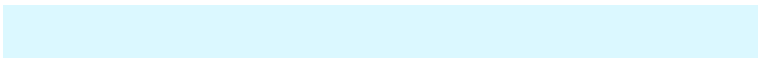
The Inverse Universe completely reimagines the original color for something new.



77.6351, 0.3313, 0.3181



73.6012, 0.3358, 0.3158



89.6612, 0.2909, 0.3222



18.0783, 0.3246, 0.3218



11.4175, 0.5751, 0.2942

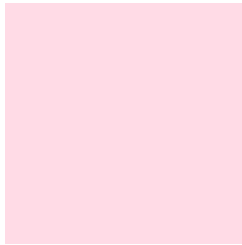


1.1302, 0.5431, 0.2765



# Previews

## White Background



This preview shows how the Yxy color 77.6362, 0.3313, 0.3181 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 77.6362, 0.3313, 0.3181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

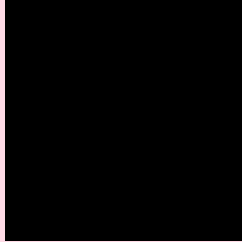
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.6362, 0.3313, 0.3181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6362, 0.3313, 0.3181.

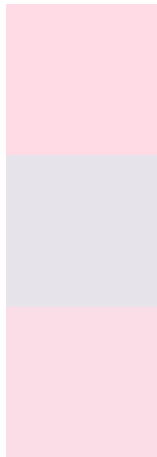


This preview shows how white text looks on a background with the Yxy color 77.6362, 0.3313, 0.3181.

# 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

77.6362, 0.3313, 0.3181

### Protanopia

77.7593, 0.3097, 0.3207

### Deuteranopia

77.7501, 0.3274, 0.3200



## Tritanopia

77.4010, 0.3279, 0.3122

# Trichromacy



## Original Color

77.6362, 0.3313, 0.3181

## Protanomaly

77.5452, 0.3174, 0.3198

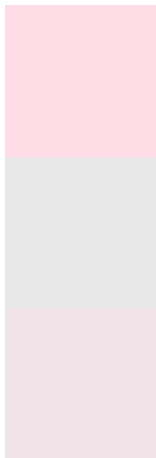
## Deuteranomaly

77.5950, 0.3290, 0.3190

## Tritanomaly

77.2860, 0.3293, 0.3141

# Monochromacy



## Original Color

77.6362, 0.3313, 0.3181

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.2330, 0.3192, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6362, 0.3313, 0.3181 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(255, 219, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 230)  
}
```

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(255, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6362, 0.3313, 0.3181 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(255, 219, 230) }
```

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

```
.border{ border-color:rgb(255, 219, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6362, 0.3313, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 230) }
```

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

```
.background{ background-color: rgb(255,  
219, 230) }
```

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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