

# Converting Colors

$Y_{xy}(77.8358, 0.3301, 0.3137)$

Have a look what the booklet for  
Yxy(77.8358, 0.3301, 0.3137)  
contains.

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# Color

**Yxy(77.3433, 0.3286, 0.3131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDAEA
RGB	255, 218, 234
RGB Percent	100%, 85%, 92%
CMY	0.0000, 0.1451, 0.0823
CMYK	0.00, 0.15, 0.08, 0.00
HSL	334°, 100%, 93%
HSV	334°, 15%, 100%
XYZ	81.1722, 77.3433, 88.5088
YIQ	230.8870, 16.9160, 12.8200

# Conversions

## Conversions Part 2

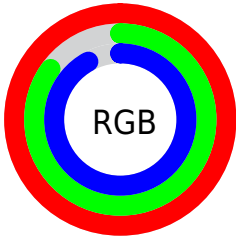
Format	Color
R <sub>Y</sub> B	255, 218, 234
Decimal	16767722
CIE Lab	90.48, 15.42, -3.07
CIE LCh	90, 15.720, 348.740
Yxy	77.3433, 0.3286, 0.3131
Android (android.graphics.Color)	4294957802 (0xFFFFDAEA)
YUV	230.8870, 1.5347, 21.1471
Hunter-Lab	87.9450, 10.8495, 1.8915

# Details

The Yxy color **77.3433, 0.3286, 0.3131** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92.6548, 0.2992, 0.3455**, and the grayscale version is **79.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4145, 0.3325, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **64.3211, 0.3424, 0.3015**, and if you desaturate by 10%, it is **92.4644, 0.3172, 0.3242**.

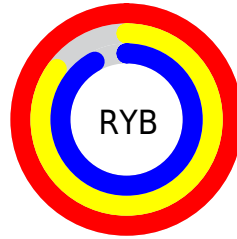
# Distribution



Red (100%)

Green (85%)

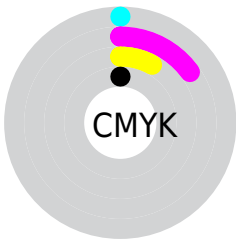
Blue (92%)



Red (100%)

Yellow (85%)

Blue (92%)

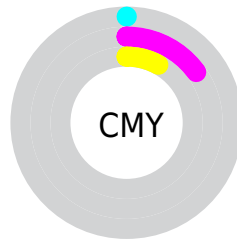


Cyan (0%)

Magenta (15%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3433, 0.3286, 0.3131 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 77.3433, 0.3286, 0.3131 by changing the saturation by 10% instead.




 77.3433, 0.3286,  
0.3131

 77.3433, 0.3286,  
0.3131


485.9337, 0.3214,  
0.3203

 57.5347, 0.3302,  
0.3115


129.6240, 0.3261,  
0.3156

 41.4347, 0.3322,  
0.3095


162.8648, 0.3251,  
0.3165

 28.6589, 0.3347,  
0.3070


201.3518, 0.3243,  
0.3174

 18.8229, 0.3380,  
0.3039


245.4695, 0.3236,  
0.3181

 11.5424, 0.3424,  
0.2996

295.6021, 0.3229,  
0.3188

 6.4329, 0.3486,  
0.2936

352.1340, 0.3223,

 3.1101, 0.3580,

0.3193

0.2845

415.4498, 0.3218,  
0.3198

■ 1.1895, 0.3743,  
0.2693

■ 0.0531, 0.5674,  
0.0706

■ 77.3433, 0.3286,  
0.3131

■ 77.3433, 0.3286,  
0.3131

■ 64.3211, 0.3424,  
0.3015

■ 92.4644, 0.3172,  
0.3242

■ 53.3086, 0.3591,  
0.2897

100.0000, 0.3127,  
0.3290

■ 44.2024, 0.3790,  
0.2782

■ 36.8921, 0.4021,  
0.2681

■ 31.2557, 0.4284,  
0.2603

■ 27.1558, 0.4568,  
0.2562

■ 24.4327, 0.4861,  
0.2571

■ 22.8911, 0.5142,  
0.2634

■ 22.3957, 0.5288,  
0.2687

# Harmonies

## Analogous

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



77.3433, 0.3099, 0.3021



77.3433, 0.3286, 0.3131



77.3433, 0.3432, 0.3281

# Triad

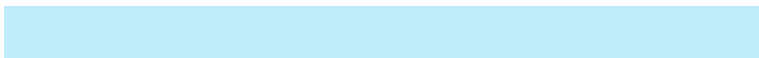
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3433, 0.3286, 0.3131



77.3433, 0.3326, 0.3618



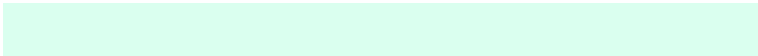
77.3433, 0.2773, 0.3125

# Complementary

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



77.3433, 0.3286, 0.3131



92.6548, 0.2992, 0.3455

# 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.



77.3433, 0.2830, 0.3287



77.3433, 0.3286, 0.3131



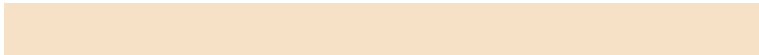
77.3433, 0.3146, 0.3580

# Square

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



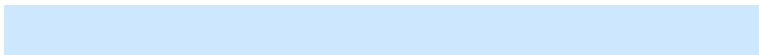
77.3433, 0.3286, 0.3131



77.3433, 0.3455, 0.3563



77.3433, 0.2965, 0.3457



77.3433, 0.2807, 0.3014



# Rectangle

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



77.3433, 0.3286, 0.3131



77.3433, 0.3485, 0.3388



77.3433, 0.2965, 0.3457



77.3433, 0.2782, 0.3175

# Sweetspot

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



77.3416, 0.3286, 0.3131



93.2970, 0.3166, 0.3248



75.7043, 0.3033, 0.2918



19.7080, 0.3174, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

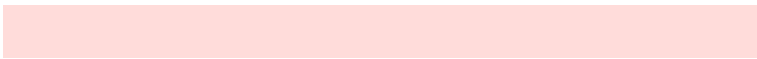
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3416, 0.3286, 0.3131



73.9094, 0.3318, 0.3102



77.7505, 0.3395, 0.3316



18.1177, 0.3226, 0.3187



11.7309, 0.5247, 0.2664



1.1636, 0.4959, 0.2505



# Inverse Universe

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



77.3416, 0.3286, 0.3131



73.9094, 0.3318, 0.3102



92.0805, 0.2905, 0.3264



18.1177, 0.3226, 0.3187



11.7309, 0.5247, 0.2664

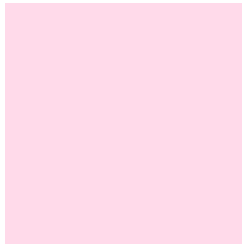


1.1636, 0.4959, 0.2505



# Previews

## White Background



This preview shows how the Yxy color 77.3433, 0.3286, 0.3131 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 77.3433, 0.3286, 0.3131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

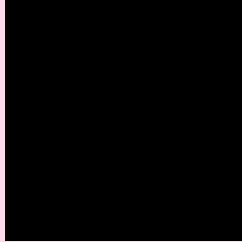
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3433, 0.3286, 0.3131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.3433, 0.3286, 0.3131.

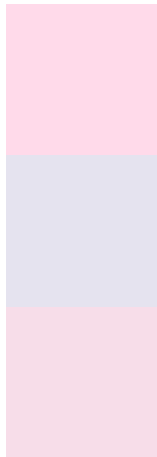


This preview shows how white text looks on a background with the Yxy color 77.3433, 0.3286, 0.3131.

# 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

77.3433, 0.3286, 0.3131

### Protanopia

77.8282, 0.3065, 0.3165

### Deuteranopia

77.3703, 0.3232, 0.3169



## Tritanopia

77.4010, 0.3279, 0.3122

# Trichromacy



## Original Color

77.3433, 0.3286, 0.3131

## Protanomaly

77.6029, 0.3140, 0.3157

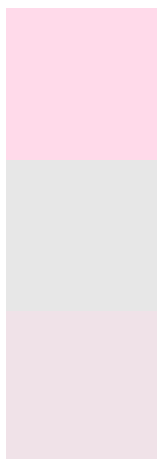
## Deuteranomaly

77.3936, 0.3255, 0.3160

## Tritanomaly

77.4010, 0.3279, 0.3122

# Monochromacy



## Original Color

77.3433, 0.3286, 0.3131

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

78.7442, 0.3186, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3433, 0.3286, 0.3131 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, 218, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 234)  
}
```

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, 218, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3433, 0.3286, 0.3131 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, 218, 234) }
```

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

```
.border{ border-color:rgb(255, 218, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 218, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 218, 234); box-shadow:4px 4px 4px 4px rgb(255, 218, 234) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  77.3433, 0.3286, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 234) }
```

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

```
.background{ background-color: rgb(255,  
218, 234) }
```

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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