

# Converting Colors

$Y_{xy}(78.1490, 0.3270, 0.3123)$

Have a look what the booklet for  
Yxy(78.1490, 0.3270, 0.3123)  
contains.

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# Color

**Yxy(77.9792, 0.3271, 0.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBEC
RGB	255, 219, 236
RGB Percent	100%, 86%, 93%
CMY	0.0001, 0.1411, 0.0746
CMYK	0.00, 0.14, 0.07, 0.00
HSL	332°, 100%, 93%
HSV	332°, 14%, 100%
XYZ	81.7008, 77.9792, 90.0932
YIQ	231.7020, 15.9990, 12.9190

# Conversions

## Conversions Part 2

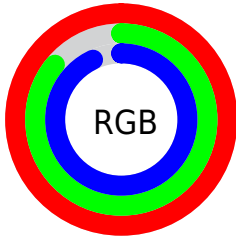
Format	Color
R <sub>Y</sub> B	255, 219, 236
Decimal	16767980
CIE Lab	90.77, 15.19, -3.67
CIE LCh	91, 15.628, 346.400
Yxy	77.9792, 0.3271, 0.3122
Android (android.graphics.Color)	4294958060 (0xFFFFDBEC)
YUV	231.7020, 2.1189, 20.4323
Hunter-Lab	88.3058, 10.6135, 1.3240

# Details

The Yxy color  $77.9792, 0.3271, 0.3122$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $92.7343, 0.3004, 0.3464$ , and the grayscale version is  $80.4361, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.8520, 0.3305, 0.3088$  is the 20% darker color. If you saturate the color by 10%, you get  $64.9278, 0.3399, 0.2996$ , and if you desaturate by 10%, it is  $93.1340, 0.3165, 0.3243$ .

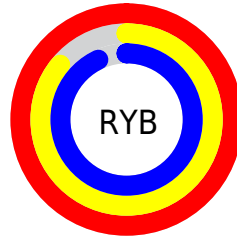
# Distribution



Red (100%)

Green (86%)

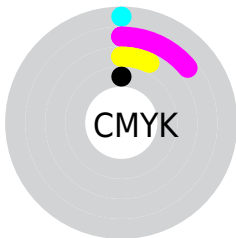
Blue (93%)



Red (100%)

Yellow (86%)

Blue (93%)

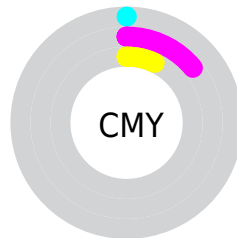


Cyan (0%)

Magenta (14%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9792, 0.3271, 0.3122 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 77.9792, 0.3271, 0.3122 by changing the saturation by 10% instead.



 77.9792, 0.3271,  
0.3122

 77.9792, 0.3271,  
0.3122

488.0962, 0.3206,  
0.3198

 58.0569, 0.3286,  
0.3105

130.5208, 0.3249,  
0.3148

 41.8544, 0.3304,  
0.3084


163.9089, 0.3240,  
0.3158

 28.9873, 0.3326,  
0.3059


202.5543, 0.3232,  
0.3167

 19.0712, 0.3355,  
0.3025

246.8416, 0.3226,  
0.3175

 11.7217, 0.3394,  
0.2981

297.1550, 0.3220,  
0.3182

 6.5545, 0.3449,  
0.2918

353.8790, 0.3215,

 3.1851, 0.3533,

0.3188

0.2825

417.3979, 0.3210,  
0.3193

■ 1.2291, 0.3675,  
0.2668

■ 0.0853, 0.5095,  
0.0962

■ 77.9792, 0.3271,  
0.3122

■ 77.9792, 0.3271,  
0.3122

■ 64.9278, 0.3399,  
0.2996

■ 93.1340, 0.3165,  
0.3243

■ 53.8757, 0.3553,  
0.2868

99.9935, 0.3127,  
0.3290

■ 44.7255, 0.3735,  
0.2743

■ 37.3676, 0.3947,  
0.2631

■ 31.6808, 0.4186,  
0.2543

■ 27.5290, 0.4446,  
0.2492

■ 24.7541, 0.4714,  
0.2490

■ 23.1632, 0.4975,  
0.2543

■ 22.6185, 0.5122,  
0.2595

# Harmonies

## Analogous

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



77.9792, 0.3085, 0.3018



77.9792, 0.3271, 0.3122



77.9792, 0.3421, 0.3269

# Triad

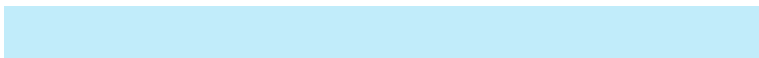
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9792, 0.3271, 0.3122



77.9792, 0.3337, 0.3614



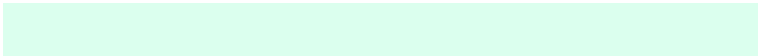
77.9792, 0.2777, 0.3137

# Complementary

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



77.9792, 0.3271, 0.3122



92.7343, 0.3004, 0.3464

# 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.



77.9792, 0.2841, 0.3301



77.9792, 0.3271, 0.3122



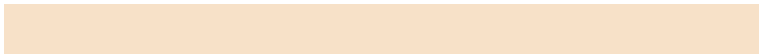
77.9792, 0.3161, 0.3583

# Square

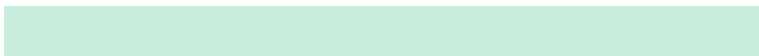
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



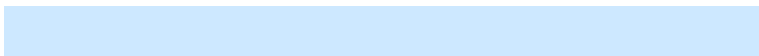
77.9792, 0.3271, 0.3122



77.9792, 0.3459, 0.3553



77.9792, 0.2980, 0.3467



77.9792, 0.2804, 0.3022

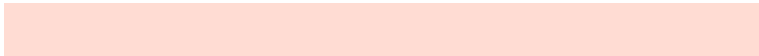


# Rectangle

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



77.9792, 0.3271, 0.3122



77.9792, 0.3478, 0.3375



77.9792, 0.2980, 0.3467



77.9792, 0.2789, 0.3188

# Sweetspot

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



77.9826, 0.3271, 0.3122



93.3219, 0.3164, 0.3244



75.9980, 0.3024, 0.2927



19.7143, 0.3171, 0.3235



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

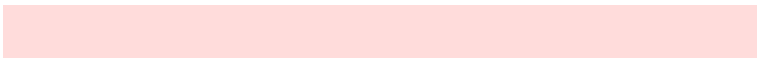
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9826, 0.3271, 0.3122



74.0049, 0.3306, 0.3086



77.3559, 0.3389, 0.3297



18.1299, 0.3220, 0.3178



11.8519, 0.5083, 0.2574



1.1759, 0.4814, 0.2425



# Inverse Universe

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



77.9826, 0.3271, 0.3122



74.0049, 0.3306, 0.3086



93.3977, 0.2912, 0.3283



18.1299, 0.3220, 0.3178



11.8519, 0.5083, 0.2574

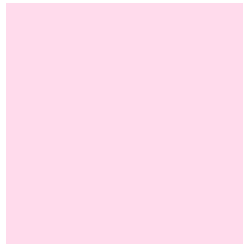


1.1759, 0.4814, 0.2425



# Previews

## White Background



This preview shows how the Yxy color 77.9792, 0.3271, 0.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

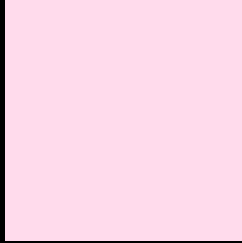
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9792, 0.3271, 0.3122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

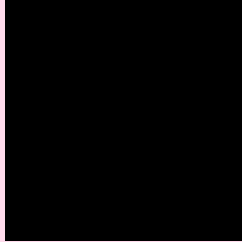
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.9792, 0.3271, 0.3122**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9792, 0.3271, 0.3122.

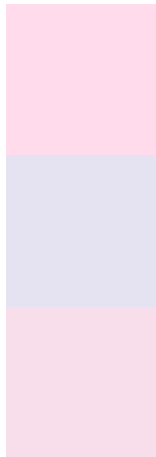


This preview shows how white text looks on a background with the Yxy color 77.9792, 0.3271, 0.3122.

# 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

77.9792, 0.3271, 0.3122

### Protanopia

77.9471, 0.3052, 0.3145

### Deuteranopia

78.1972, 0.3225, 0.3159



## Tritanopia

77.9792, 0.3271, 0.3122

# Trichromacy



## Original Color

77.9792, 0.3271, 0.3122

## Protanomaly

77.7204, 0.3127, 0.3136

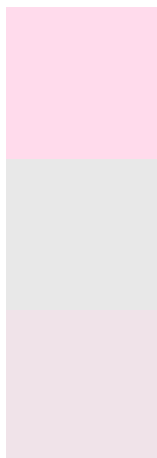
## Deuteranomaly

78.2203, 0.3247, 0.3150

## Tritanomaly

77.9792, 0.3271, 0.3122

# Monochromacy



## Original Color

77.9792, 0.3271, 0.3122

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

79.3466, 0.3179, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9792, 0.3271, 0.3122 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9792, 0.3271, 0.3122 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, 236) }
```

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

```
.border{ border-color:rgb(255, 219, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
236) }
```



# Background

The CSS property to change the background color of an element to  $Yxy\ 77.9792, 0.3271, 0.3122$  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, 236) }
```

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

```
.background{ background-color: rgb(255,  
219, 236) }
```

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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