

# Converting Colors

$Y_{xy}(71.0975, 0.3287, 0.3200)$

Have a look what the booklet for  
Yxy(71.0975, 0.3287, 0.3200)  
contains.

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# Color

**Yxy(71.1847, 0.3288, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2D4DD
RGB	242, 212, 221
RGB Percent	95%, 83%, 87%
CMY	0.0509, 0.1686, 0.1335
CMYK	0.00, 0.12, 0.09, 0.05
HSL	342°, 54%, 89%
HSV	342°, 12%, 95%
XYZ	73.2109, 71.1847, 78.2653
YIQ	221.9960, 14.9910, 9.1590

# Conversions

## Conversions Part 2

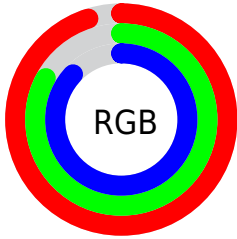
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 212, 221
Decimal	15914205
CIE Lab	87.57, 11.89, -0.58
CIE LCh	88, 11.906, 357.209
Yxy	71.1847, 0.3288, 0.3197
Android (android.graphics.Color)	4294104285 (0xFFFF2D4DD)
YUV	221.9960, -0.4910, 17.5435
Hunter-Lab	84.3710, 7.2398, 4.0604

# Details

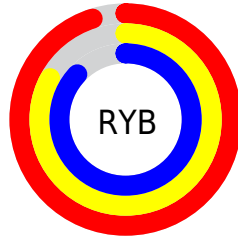
The Yxy color  $71.1847, 0.3288, 0.3197$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $83.3930, 0.2988, 0.3385$ , and the grayscale version is  $73.0409, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.3062, 0.3329, 0.3169$  is the 20% darker color. If you saturate the color by 10%, you get  $59.1218, 0.3451, 0.3117$ , and if you desaturate by 10%, it is  $85.1587, 0.3155, 0.3273$ .

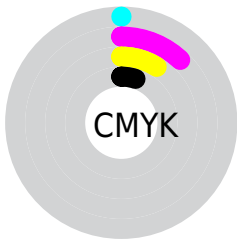
# Distribution



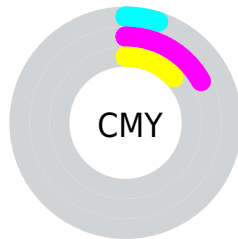
- Red (95%)
- Green (83%)
- Blue (87%)



- Red (95%)
- Yellow (83%)
- Blue (87%)



- Cyan (0%)
- Magenta (12%)
- Yellow (9%)
- Black (5%)




- Cyan (5%)
- Magenta (17%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1847, 0.3288, 0.3197 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 71.1847, 0.3288, 0.3197 by changing the saturation by 10% instead.




 71.1847, 0.3288,  
0.3197

 71.1847, 0.3288,  
0.3197


464.6988, 0.3213,  
0.3240

 52.4929, 0.3305,  
0.3187

120.8967, 0.3262,  
0.3212

 37.3981, 0.3326,  
0.3175


152.6857, 0.3252,  
0.3218

 25.5159, 0.3353,  
0.3159


189.6092, 0.3243,  
0.3223

 16.4618, 0.3389,  
0.3139

232.0517, 0.3236,  
0.3227

 9.8515, 0.3438,  
0.3111

280.3975, 0.3229,  
0.3231

 5.3006, 0.3508,  
0.3070

335.0310, 0.3223,

 2.4247, 0.3621,

0.3234

0.3006

396.3367, 0.3218,  
0.3238

0.8386, 0.3829,  
0.2887

0.0000, 1.0000,  
0.0000

71.1847, 0.3288,  
0.3197

71.1847, 0.3288,  
0.3197

59.1218, 0.3451,  
0.3117

85.1587, 0.3155,  
0.3273

48.8775, 0.3651,  
0.3035

97.6130, 0.3048,  
0.3291

40.3656, 0.3893,  
0.2955

97.6187, 0.3048,  
0.3290

33.4893, 0.4180,  
0.2885

■ 28.1421, 0.4510,  
0.2832

■ 24.2048, 0.4872,  
0.2811

■ 21.5402, 0.5241,  
0.2831

■ 19.9834, 0.5583,  
0.2899

■ 19.3504, 0.5809,  
0.2974

# Harmonies

## Analogous

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



71.1847, 0.3148, 0.3099



71.1847, 0.3288, 0.3197



71.1847, 0.3386, 0.3320

# Triad

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



71.1847, 0.3288, 0.3197



71.1847, 0.3246, 0.3543



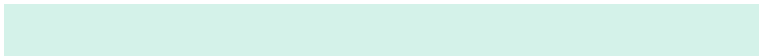
71.1847, 0.2850, 0.3133

# Complementary

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



71.1847, 0.3288, 0.3197



83.3930, 0.2988, 0.3385

# 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.



71.1847, 0.2875, 0.3251



71.1847, 0.3288, 0.3197



71.1847, 0.3101, 0.3493

# Square

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



71.1847, 0.3288, 0.3197



71.1847, 0.3360, 0.3522



71.1847, 0.2966, 0.3384



71.1847, 0.2897, 0.3060



# Rectangle

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



71.1847, 0.3288, 0.3197



71.1847, 0.3412, 0.3402



71.1847, 0.2966, 0.3384



71.1847, 0.2851, 0.3168

# Sweetspot

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



71.1878, 0.3288, 0.3197



93.2117, 0.3175, 0.3261



70.8266, 0.3077, 0.2978



19.6865, 0.3184, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

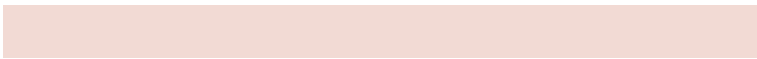
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1878, 0.3288, 0.3197



76.3682, 0.3328, 0.3176



73.7790, 0.3344, 0.3353



15.8366, 0.3246, 0.3220



10.4154, 0.5766, 0.2950



0.8834, 0.5393, 0.2745



# Inverse Universe

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



71.1878, 0.3288, 0.3197



76.3682, 0.3328, 0.3176



80.4048, 0.2936, 0.3226



15.8366, 0.3246, 0.3220



10.4154, 0.5766, 0.2950

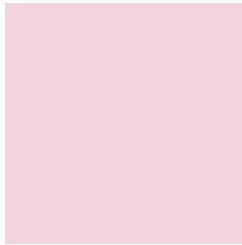


0.8834, 0.5393, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 71.1847, 0.3288, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

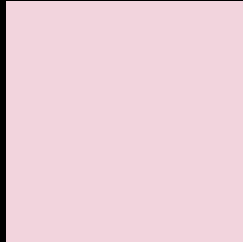
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1847, 0.3288, 0.3197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

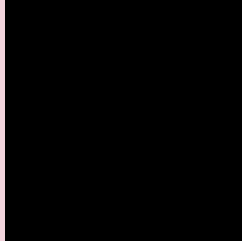
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1847, 0.3288, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1847, 0.3288, 0.3197.

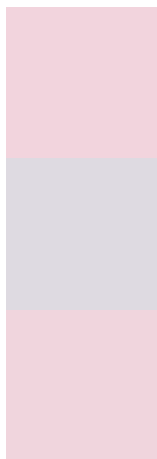


This preview shows how white text looks on a background with the Yxy color 71.1847, 0.3288, 0.3197.

# 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

71.1847, 0.3288, 0.3197

### Protanopia

71.1086, 0.3109, 0.3214

### Deuteranopia

71.3342, 0.3272, 0.3207



## Tritanopia

71.1893, 0.3254, 0.3125

# Trichromacy



## Original Color

71.1847, 0.3288, 0.3197

## Protanomaly

71.1516, 0.3167, 0.3205

## Deuteranomaly

71.5097, 0.3279, 0.3207

## Tritanomaly

71.0795, 0.3268, 0.3145

# Monochromacy



## Original Color

71.1847, 0.3288, 0.3197

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.0747, 0.3180, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1847, 0.3288, 0.3197 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(242, 212, 221)` looks like.

```
.text, #text, p{  
    color:rgb(242, 212, 221)  
}
```

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(242, 212, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 212, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1847, 0.3288, 0.3197 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(242, 212, 221) }
```

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

```
.border{ border-color:rgb(242, 212, 221) }
```

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

Here you see how a box with a 4 pixel rgb(242, 212, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 212, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 212, 221);  
box-shadow:4px 4px 4px 4px rgb(242, 212,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1847, 0.3288, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 212, 221) }
```

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

```
.background{ background-color: rgb(242,  
212, 221) }
```

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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