

# Converting Colors

$Yxy(71.7267, 0.3161, 0.3033)$

Have a look what the booklet for  
Yxy(71.7267, 0.3161, 0.3033)  
contains.

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# Color

**Yxy(71.7267, 0.3161, 0.3033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D4ED
RGB	240, 212, 237
RGB Percent	94%, 83%, 93%
CMY	0.0589, 0.1685, 0.0707
CMYK	0.00, 0.12, 0.01, 0.06
HSL	306°, 48%, 89%
HSV	306°, 12%, 94%
XYZ	74.7537, 71.7267, 90.0072
YIQ	223.2220, 8.6630, 13.7110

# Conversions

## Conversions Part 2

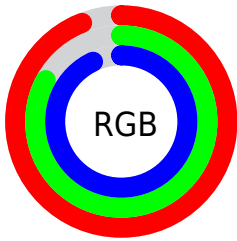
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 212, 237
Decimal	15783149
CIE Lab	87.84, 13.96, -8.67
CIE LCh	88, 16.434, 328.146
Yxy	71.7267, 0.3161, 0.3033
Android (android.graphics.Color)	4293973229 (0xFFFF0D4ED)
YUV	223.2220, 6.7926, 14.7143
Hunter-Lab	84.6916, 9.3441, -3.7271

# Details

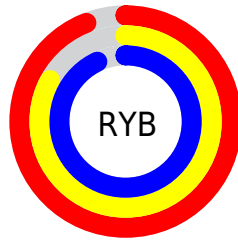
The Yxy color **71.7267, 0.3161, 0.3033** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.2087, 0.3095, 0.3561**, and the grayscale version is **73.9031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.6405, 0.3171, 0.2972** is the 20% darker color. If you saturate the color by 10%, you get **60.4601, 0.3194, 0.2806**, and if you desaturate by 10%, it is **84.7847, 0.3132, 0.3254**.

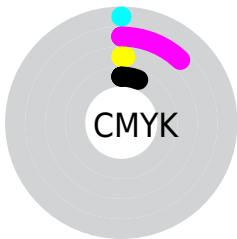
# Distribution



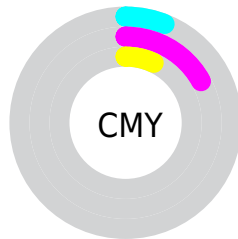
- Red (94%)
- Green (83%)
- Blue (93%)



- Red (94%)
- Yellow (83%)
- Blue (93%)



- Cyan (0%)
- Magenta (12%)
- Yellow (1%)
- Black (6%)




- Cyan (6%)
- Magenta (17%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7267, 0.3161, 0.3033 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 71.7267, 0.3161, 0.3033 by changing the saturation by 10% instead.




 71.7267, 0.3161,  
0.3033

 71.7267, 0.3161,  
0.3033

466.5898, 0.3146,  
0.3150

 52.9355, 0.3164,  
0.3007


121.6679, 0.3156,  
0.3073

 37.7512, 0.3168,  
0.2975


153.5866, 0.3154,  
0.3089

 25.7897, 0.3172,  
0.2934


190.6500, 0.3153,  
0.3102

 16.6664, 0.3178,  
0.2882

233.2423, 0.3151,  
0.3114

 9.9969, 0.3185,  
0.2812

281.7481, 0.3150,  
0.3125

 5.3969, 0.3194,  
0.2713

336.5517, 0.3148,

 2.4820, 0.3206,

0.3134

0.2564

398.0374, 0.3147,  
0.3142

0.8676, 0.3219,  
0.2311

0.0000, 0.2466,  
0.0000

71.7267, 0.3161,  
0.3033

71.7267, 0.3161,  
0.3033

60.4601, 0.3194,  
0.2806

84.7847, 0.3132,  
0.3254

50.8972, 0.3230,  
0.2579

96.4575, 0.3108,  
0.3417

42.9569, 0.3270,  
0.2361

96.6130, 0.3093,  
0.3392

36.5478, 0.3311,  
0.2161

96.7707, 0.3079,  
0.3366

31.5694, 0.3354,  
0.1989

96.9306, 0.3064,  
0.3341

27.9095, 0.3396,  
0.1854

97.0927, 0.3050,  
0.3315

25.4387, 0.3437,  
0.1762

97.2570, 0.3035,  
0.3290

24.0019, 0.3474,  
0.1715

97.2598, 0.3035,  
0.3290

23.3895, 0.3504,  
0.1704

# Harmonies

## Analogous

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



71.7267, 0.2964, 0.2962



71.7267, 0.3161, 0.3033



71.7267, 0.3354, 0.3167

# Triad

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



71.7267, 0.3161, 0.3033



71.7267, 0.3444, 0.3611



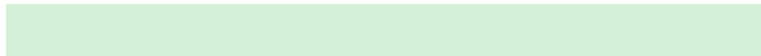
71.7267, 0.2780, 0.3228

# Complementary

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



71.7267, 0.3161, 0.3033



81.2087, 0.3095, 0.3561

# 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.



71.7267, 0.2901, 0.3414



71.7267, 0.3161, 0.3033



71.7267, 0.3283, 0.3640

# Square

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



71.7267, 0.3161, 0.3033



71.7267, 0.3520, 0.3496



71.7267, 0.3084, 0.3568



71.7267, 0.2749, 0.3067



# Rectangle

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



71.7267, 0.3161, 0.3033



71.7267, 0.3452, 0.3277



71.7267, 0.3084, 0.3568



71.7267, 0.2811, 0.3290

# Sweetspot

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



71.7298, 0.3161, 0.3033



95.1632, 0.3135, 0.3225



67.8053, 0.2962, 0.2987



20.0991, 0.3138, 0.3207



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.



71.7298, 0.3161, 0.3033



79.0561, 0.3169, 0.2979



70.9552, 0.3257, 0.3174



16.0006, 0.3154, 0.3082



12.8195, 0.3498, 0.1701



1.0748, 0.3455, 0.1677



# Inverse Universe

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



71.7298, 0.3161, 0.3033



79.0561, 0.3169, 0.2979



81.9472, 0.3013, 0.3410



16.0006, 0.3154, 0.3082



12.8195, 0.3498, 0.1701

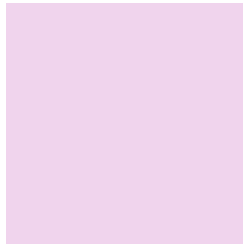


1.0748, 0.3455, 0.1677



# Previews

## White Background



This preview shows how the Yxy color 71.7267, 0.3161, 0.3033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

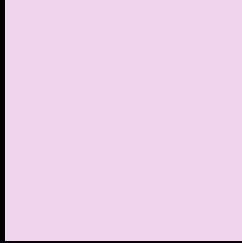
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7267, 0.3161, 0.3033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

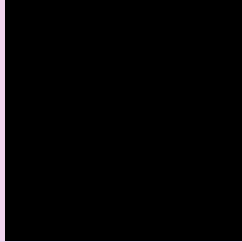
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.7267, 0.3161, 0.3033**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7267, 0.3161, 0.3033.



This preview shows how white text looks on a background with the Yxy color 71.7267, 0.3161, 0.3033.

# 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

71.7267, 0.3161, 0.3033

### Protanopia

71.9193, 0.2978, 0.3055

### Deuteranopia

71.7000, 0.3117, 0.3050



## Tritanopia

71.6524, 0.3201, 0.3113

# Trichromacy



## Original Color

71.7267, 0.3161, 0.3033

## Protanomaly

71.5718, 0.3040, 0.3037

## Deuteranomaly

71.5358, 0.3132, 0.3041

## Tritanomaly

71.8224, 0.3181, 0.3083

# Monochromacy



## Original Color

71.7267, 0.3161, 0.3033

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

72.9225, 0.3139, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7267, 0.3161, 0.3033 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(240, 212, 237)` looks like.

```
.text, #text, p{  
    color:rgb(240, 212, 237)  
}
```

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(240, 212, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 212, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7267, 0.3161, 0.3033 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(240, 212, 237) }
```

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

```
.border{ border-color:rgb(240, 212, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 212, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 212, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 212, 237);  
box-shadow:4px 4px 4px 4px rgb(240, 212,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7267, 0.3161, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 212, 237) }
```

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

```
.background{ background-color: rgb(240,  
212, 237) }
```

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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