

# Converting Colors

$Yxy(71.3939, 0.3135, 0.3016)$

Have a look what the booklet for  
Yxy(71.3939, 0.3135, 0.3016)  
contains.

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# Color

**Yxy(71.4372, 0.3140, 0.3021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED4EE
RGB	238, 212, 238
RGB Percent	93%, 83%, 93%
CMY	0.0665, 0.1687, 0.0666
CMYK	0.00, 0.11, 0.00, 0.07
HSL	300°, 43%, 88%
HSV	300°, 11%, 93%
XYZ	74.2512, 71.4372, 90.7803
YIQ	222.7380, 7.1500, 13.5980

# Conversions

## Conversions Part 2

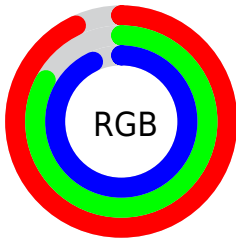
Format	Color
R <sub>Y</sub> B	238, 212, 238
Decimal	15652078
CIE Lab	87.70, 13.53, -9.45
CIE LCh	88, 16.500, 325.058
Yxy	71.4372, 0.3140, 0.3021
Android (android.graphics.Color)	4293842158 (0xFFEED4EE)
YUV	222.7380, 7.5242, 13.3848
Hunter-Lab	84.5205, 8.9011, -4.5168

# Details

The Yxy color **71.4372, 0.3140, 0.3021** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.9288, 0.3114, 0.3575**, and the grayscale version is **73.5444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4364, 0.3143, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **60.4025, 0.3152, 0.2770**, and if you desaturate by 10%, it is **84.2327, 0.3128, 0.3267**.

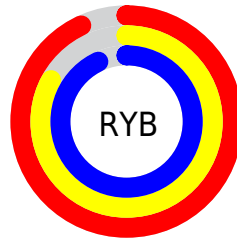
# Distribution



Red (93%)

Green (83%)

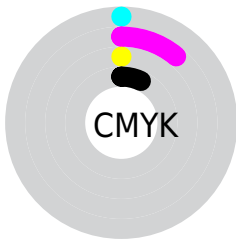
Blue (93%)



Red (93%)

Yellow (83%)

Blue (93%)

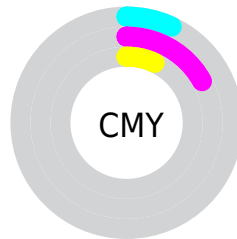


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (17%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4372, 0.3140, 0.3021 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 71.4372, 0.3140, 0.3021 by changing the saturation by 10% instead.



 71.4372, 0.3140,  
0.3021

 71.4372, 0.3140,  
0.3021

465.5803, 0.3135,  
0.3143

 52.6991, 0.3141,  
0.2994


121.2560, 0.3139,  
0.3063

 37.5626, 0.3142,  
0.2960


153.1055, 0.3138,  
0.3079

 25.6434, 0.3143,  
0.2918


190.0943, 0.3137,  
0.3094

 16.5570, 0.3144,  
0.2863

232.6066, 0.3137,  
0.3106

 9.9192, 0.3144,  
0.2790

281.0270, 0.3136,  
0.3117

 5.3454, 0.3144,  
0.2686

335.7398, 0.3136,

 2.4513, 0.3141,

0.3127

0.2530

397.1295, 0.3136,  
0.3136

0.8521, 0.3128,  
0.2265

0.0000, 0.1865,  
0.0000

71.4372, 0.3140,  
0.3021

71.4372, 0.3140,  
0.3021

60.4025, 0.3152,  
0.2770

84.2327, 0.3128,  
0.3267

51.0427, 0.3164,  
0.2521


95.8838, 0.3119,  
0.3458

43.2788, 0.3175,  
0.2284

95.8855, 0.3119,  
0.3458

37.0219, 0.3186,  
0.2068

95.8871, 0.3119,  
0.3458


 32.1740, 0.3195,  
0.1883


 95.8887, 0.3119,  
0.3457

 28.6261, 0.3202,  
0.1735


 95.8903, 0.3118,  
0.3457

 26.2527, 0.3207,  
0.1631

 95.8920, 0.3118,  
0.3457

 24.9041, 0.3211,  
0.1569

 95.8936, 0.3118,  
0.3457

 24.3462, 0.3212,  
0.1543

 95.8952, 0.3118,  
0.3456

# Harmonies

## Analogous

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



71.4372, 0.2945, 0.2958



71.4372, 0.3140, 0.3021



71.4372, 0.3337, 0.3150

# Triad

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



71.4372, 0.3140, 0.3021



71.4372, 0.3458, 0.3604



71.4372, 0.2787, 0.3247

# Complementary

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



71.4372, 0.3140, 0.3021



79.9288, 0.3114, 0.3575

# 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.



71.4372, 0.2916, 0.3433



71.4372, 0.3140, 0.3021



71.4372, 0.3303, 0.3644

# Square

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



71.4372, 0.3140, 0.3021



71.4372, 0.3524, 0.3482



71.4372, 0.3105, 0.3582



71.4372, 0.2746, 0.3080

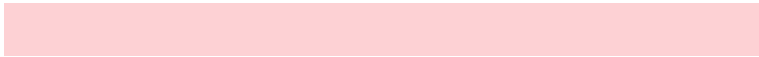


# Rectangle

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



71.4372, 0.3140, 0.3021



71.4372, 0.3441, 0.3259



71.4372, 0.3105, 0.3582



71.4372, 0.2821, 0.3310

# Sweetspot

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



71.4403, 0.3140, 0.3021



95.2152, 0.3131, 0.3217



67.2507, 0.2955, 0.3005



20.1132, 0.3132, 0.3197



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.



71.4403, 0.3140, 0.3021



80.6404, 0.3143, 0.2969



70.7032, 0.3230, 0.3154



16.0311, 0.3138, 0.3058



13.5761, 0.3212, 0.1543



1.1295, 0.3212, 0.1543



# Inverse Universe

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



71.4403, 0.3140, 0.3021



80.6404, 0.3143, 0.2969



80.6118, 0.3035, 0.3430



16.0311, 0.3138, 0.3058



13.5761, 0.3212, 0.1543

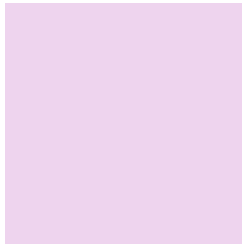


1.1295, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 71.4372, 0.3140, 0.3021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

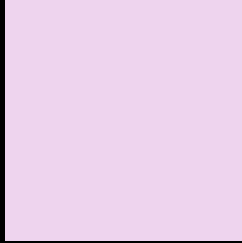
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4372, 0.3140, 0.3021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

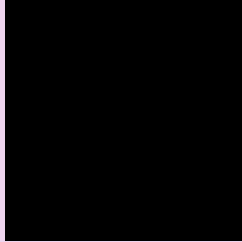
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.4372, 0.3140, 0.3021**

## Background



This preview shows how black text looks on a background with the Yxy color 71.4372, 0.3140, 0.3021.



This preview shows how white text looks on a background with the Yxy color 71.4372, 0.3140, 0.3021.

# 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

71.4372, 0.3140, 0.3021

### Protanopia

71.3053, 0.2965, 0.3033

### Deuteranopia

71.5898, 0.3103, 0.3040



## Tritanopia

71.3062, 0.3187, 0.3113

# Trichromacy



## Original Color

71.4372, 0.3140, 0.3021

## Protanomaly

71.4702, 0.3026, 0.3026

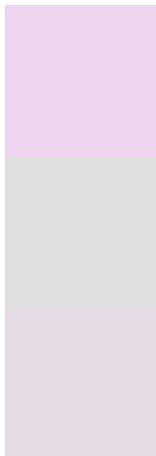
## Deuteranomaly

71.4237, 0.3118, 0.3030

## Tritanomaly

71.4762, 0.3166, 0.3082

# Monochromacy



## Original Color

71.4372, 0.3140, 0.3021

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

72.7585, 0.3132, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4372, 0.3140, 0.3021 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(238, 212, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 212, 238)  
}
```

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(238, 212, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 212, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4372, 0.3140, 0.3021 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(238, 212, 238) }
```

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

```
.border{ border-color:rgb(238, 212, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 212, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 212, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 212, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 212,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4372, 0.3140, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 212, 238) }
```

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

```
.background{ background-color: rgb(238,  
212, 238) }
```

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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