

# Converting Colors

$Y_{xy}(74.0140, 0.3121, 0.3005)$

Have a look what the booklet for  
Yxy(74.0140, 0.3121, 0.3005)  
contains.

<b>Yxy(74.2836, 0.3126, 0.3015)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.2836, 0.3126, 0.3015)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F1D8F3
RGB	241, 216, 243
RGB Percent	95%, 85%, 95%
CMY	0.0548, 0.1530, 0.0470
CMYK	0.01, 0.11, 0.00, 0.05
HSL	296°, 53%, 90%
HSV	296°, 11%, 95%
XYZ	77.0184, 74.2836, 95.0781
YIQ	226.5530, 6.2330, 13.6970

# Conversions

## Conversions Part 2

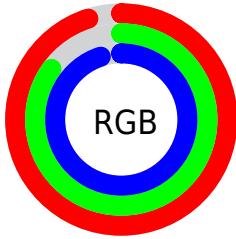
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 216, 243
Decimal	15849715
CIE Lab	89.06, 13.32, -10.03
CIE LCh	89, 16.672, 323.011
Yxy	74.2836, 0.3126, 0.3015
Android (android.graphics.Color)	4294039795 (0xFFFF1D8F3)
YUV	226.5530, 8.1084, 12.6700
Hunter-Lab	86.1879, 8.6805, -5.0741

# Details

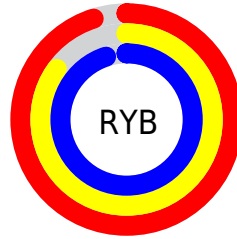
The Yxy color **74.2836, 0.3126, 0.3015** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **83.9637, 0.3126, 0.3579**, and the grayscale version is **76.4160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.3919, 0.3124, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **62.4320, 0.3123, 0.2760**, and if you desaturate by 10%, it is **87.9859, 0.3127, 0.3263**.

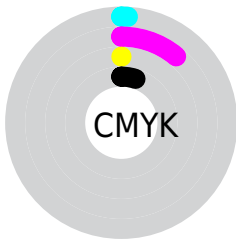
# Distribution



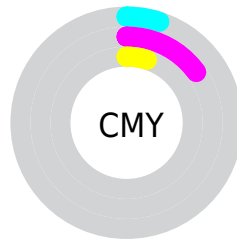
- Red (95%)
- Green (85%)
- Blue (95%)



- Red (95%)
- Yellow (85%)
- Blue (95%)



- Cyan (1%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (15%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2836, 0.3126, 0.3015 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 74.2836, 0.3126, 0.3015 by changing the saturation by 10% instead.




 74.2836, 0.3126,  
0.3015

 74.2836, 0.3126,  
0.3015

475.4516, 0.3128,  
0.3139

 55.0262, 0.3125,  
0.2987


125.2977, 0.3127,  
0.3057

 39.4227, 0.3124,  
0.2954


157.8233, 0.3127,  
0.3074

 27.0887, 0.3123,  
0.2911


195.5403, 0.3127,  
0.3089

 17.6399, 0.3121,  
0.2857

238.8332, 0.3127,  
0.3101

 10.6917, 0.3118,  
0.2784

288.0864, 0.3128,  
0.3112

 5.8600, 0.3112,  
0.2683

343.6843, 0.3128,

 2.7601, 0.3100,

0.3122

0.2531

406.0112, 0.3128,  
0.3131

1.0078, 0.3073,  
0.2281

0.0000, 0.2776,  
0.0000

74.2836, 0.3126,  
0.3015

74.2836, 0.3126,  
0.3015

62.4320, 0.3123,  
0.2760

87.9859, 0.3127,  
0.3263

52.3409, 0.3118,  
0.2505

97.3294, 0.3131,  
0.3407

43.9272, 0.3111,  
0.2258

97.6494, 0.3143,  
0.3407

37.0969, 0.3101,  
0.2030

97.9725, 0.3154,  
0.3407

■ 31.7470, 0.3088,  
0.1831

■ 98.2987, 0.3165,  
0.3406

■ 27.7625, 0.3074,  
0.1669

■ 98.6280, 0.3176,  
0.3406

■ 25.0110, 0.3057,  
0.1550

■ 98.9603, 0.3187,  
0.3405

■ 23.3341, 0.3040,  
0.1475

■ 99.2515, 0.3197,  
0.3405

■ 22.5210, 0.3023,  
0.1439

# Harmonies

## Analogous

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



74.2836, 0.2934, 0.2957



74.2836, 0.3126, 0.3015



74.2836, 0.3324, 0.3140

# Triad

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



74.2836, 0.3126, 0.3015



74.2836, 0.3465, 0.3597



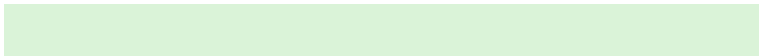
74.2836, 0.2794, 0.3260

# Complementary

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



74.2836, 0.3126, 0.3015



83.9637, 0.3126, 0.3579

# 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.



74.2836, 0.2928, 0.3445



74.2836, 0.3126, 0.3015



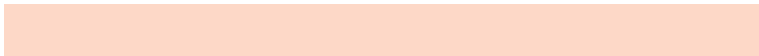
74.2836, 0.3315, 0.3643

# Square

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



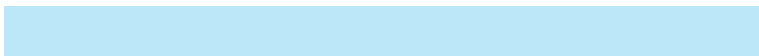
74.2836, 0.3126, 0.3015



74.2836, 0.3523, 0.3471



74.2836, 0.3118, 0.3588



74.2836, 0.2746, 0.3090



# Rectangle

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



74.2836, 0.3126, 0.3015



74.2836, 0.3431, 0.3248



74.2836, 0.3118, 0.3588



74.2836, 0.2830, 0.3323

# Sweetspot

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



74.2868, 0.3126, 0.3015



95.1100, 0.3127, 0.3217



71.3392, 0.2952, 0.3025



20.0847, 0.3127, 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.



74.2868, 0.3126, 0.3015



80.1866, 0.3126, 0.2967



73.9765, 0.3216, 0.3129



16.7031, 0.3126, 0.3056



12.3851, 0.3026, 0.1441



1.1066, 0.3051, 0.1454



# Inverse Universe

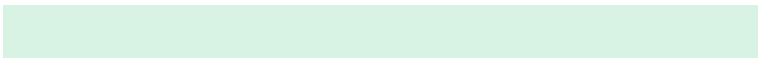
The Inverse Universe completely reimagines the original color for something new.



73.2246, 0.3312, 0.3270



78.8194, 0.3349, 0.3266



84.2637, 0.3047, 0.3457



16.5021, 0.3282, 0.3273



10.4885, 0.6323, 0.3257

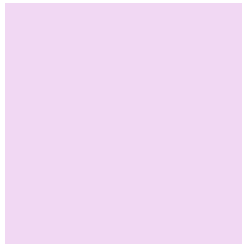


0.9285, 0.6140, 0.3156



# Previews

## White Background



This preview shows how the Yxy color 74.2836, 0.3126, 0.3015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

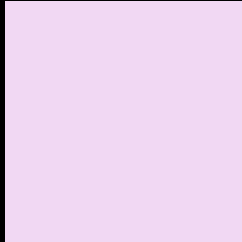
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2836, 0.3126, 0.3015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

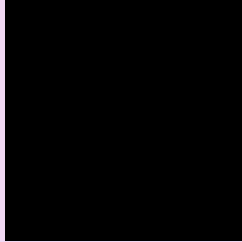
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

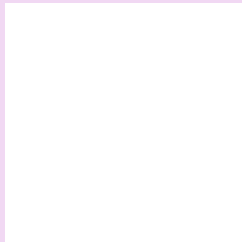
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.2836, 0.3126, 0.3015**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2836, 0.3126, 0.3015.

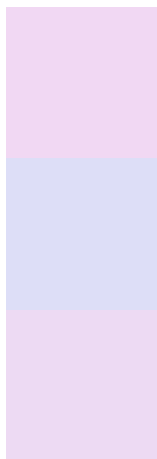


This preview shows how white text looks on a background with the Yxy color 74.2836, 0.3126, 0.3015.

# 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

74.2836, 0.3126, 0.3015

### Protanopia

74.3301, 0.2962, 0.3027

### Deuteranopia

74.6184, 0.3097, 0.3034



## Tritanopia

74.0915, 0.3178, 0.3115

# Trichromacy



## Original Color

74.2836, 0.3126, 0.3015

## Protanomaly

74.3342, 0.3015, 0.3019

## Deuteranomaly

74.2739, 0.3104, 0.3024

## Tritanomaly

74.2654, 0.3158, 0.3085

# Monochromacy



## Original Color

74.2836, 0.3126, 0.3015

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.8143, 0.3125, 0.3186

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2836, 0.3126, 0.3015 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(241, 216, 243)` looks like.

```
.text, #text, p{  
    color:rgb(241, 216, 243)  
}
```

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(241, 216, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 216, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2836, 0.3126, 0.3015 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(241, 216, 243) }
```

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

```
.border{ border-color:rgb(241, 216, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 216, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(241, 216, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(241, 216, 243); box-shadow:4px 4px 4px 4px rgb(241, 216, 243) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2836, 0.3126, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 216, 243) }
```

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

```
.background{ background-color: rgb(241,  
216, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor