

# Converting Colors

$Yxy(76.3034, 0.2934, 0.2708)$

Have a look what the booklet for  
Yxy(76.3034, 0.2934, 0.2708)  
contains.

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# Color

**Yxy(74.8756, 0.3061, 0.2890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D7FF
RGB	243, 215, 255
RGB Percent	95%, 84%, 100%
CMY	0.0472, 0.1568, 0.0000
CMYK	0.05, 0.16, 0.00, 0.00
HSL	282°, 100%, 92%
HSV	282°, 16%, 100%
XYZ	79.3060, 74.8756, 104.9036
YIQ	227.9320, 3.8480, 18.3760

# Conversions

## Conversions Part 2

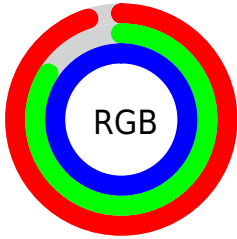
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 215, 255
Decimal	15980543
CIE <sub>Lab</sub>	89.33, 16.69, -15.92
CIE <sub>LCh</sub>	89, 23.064, 316.345
Yxy	74.8756, 0.3061, 0.2890
Android (android.graphics.Color)	4294170623 (0xFFFF3D7FF)
YUV	227.9320, 13.3445, 13.2146
Hunter-Lab	86.5307, 12.1677, -11.3074

# Details

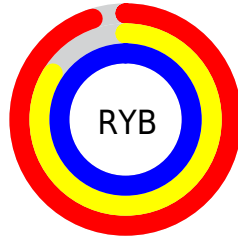
The Yxy color  $74.8756, 0.3061, 0.2890$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $92.7668, 0.3183, 0.3703$ , and the grayscale version is  $77.4269, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.7836, 0.3049, 0.2804$  is the 20% darker color. If you saturate the color by 10%, you get  $61.5483, 0.3009, 0.2619$ , and if you desaturate by 10%, it is  $90.2867, 0.3105, 0.3150$ .

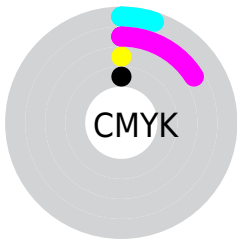
# Distribution



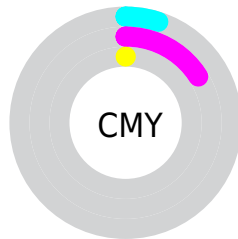
- Red (95%)
- Green (84%)
- Blue (100%)



- Red (95%)
- Yellow (84%)
- Blue (100%)



- Cyan (5%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8756, 0.3061, 0.2890 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 74.8756, 0.3061, 0.2890 by changing the saturation by 10% instead.




 74.8756, 0.3061,  
0.2890

 74.8756, 0.3061,  
0.2890

477.4899, 0.3094,  
0.3069

 55.5110, 0.3053,  
0.2851

126.1363, 0.3073,  
0.2951

 39.8110, 0.3043,  
0.2803

158.8011, 0.3077,  
0.2975

 27.3912, 0.3031,  
0.2743


196.6681, 0.3081,  
0.2996

 17.8672, 0.3014,  
0.2668

240.1217, 0.3084,  
0.3014

 10.8547, 0.2990,  
0.2568

289.5463, 0.3087,  
0.3030

 5.9692, 0.2954,  
0.2431

345.3263, 0.3089,

 2.8264, 0.2896,

0.3044

0.2230

407.8460, 0.3092,  
0.3057

■ 1.0418, 0.2788,  
0.1915

■ 0.0000, 0.2459,  
0.0000

■ 74.8756, 0.3061,  
0.2890

■ 74.8756, 0.3061,  
0.2890

■ 61.5483, 0.3009,  
0.2619

■ 90.2867, 0.3105,  
0.3150

■ 50.2065, 0.2948,  
0.2342

100.0000, 0.3127,  
0.3290

■ 40.7501, 0.2879,  
0.2069

■ 33.0685, 0.2804,  
0.1812

■ 27.0391, 0.2723,  
0.1581

■ 22.5236, 0.2640,  
0.1390

■ 19.3604, 0.2558,  
0.1246

■ 17.3494, 0.2479,  
0.1151

■ 16.7119, 0.2446,  
0.1121

# Harmonies

## Analogous

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



74.8756, 0.2810, 0.2833



74.8756, 0.3061, 0.2890



74.8756, 0.3340, 0.3041

# Triad

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



74.8756, 0.3061, 0.2890



74.8756, 0.3624, 0.3679



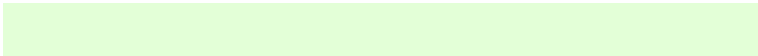
74.8756, 0.2702, 0.3303

# Complementary

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



74.8756, 0.3061, 0.2890



92.7668, 0.3183, 0.3703

# 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.



74.8756, 0.2906, 0.3558



74.8756, 0.3061, 0.2890



74.8756, 0.3438, 0.3777

# Square

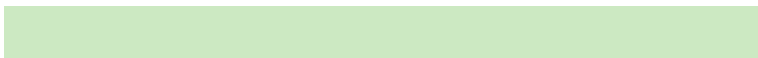
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8756, 0.3061, 0.2890



74.8756, 0.3673, 0.3485



74.8756, 0.3174, 0.3736



74.8756, 0.2610, 0.3057



# Rectangle

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



74.8756, 0.3061, 0.2890



74.8756, 0.3503, 0.3179



74.8756, 0.3174, 0.3736



74.8756, 0.2759, 0.3391

# Sweetspot

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



74.8769, 0.3061, 0.2890



91.4124, 0.3108, 0.3167



76.9790, 0.2877, 0.3004



19.3171, 0.3105, 0.3149



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.



74.8769, 0.3061, 0.2890



70.2256, 0.3045, 0.2801



76.6258, 0.3195, 0.2969



18.0098, 0.3089, 0.3052



8.8139, 0.2458, 0.1128



0.9152, 0.2546, 0.1176



# Inverse Universe

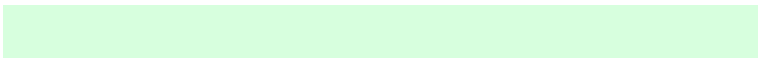
The Inverse Universe completely reimagines the original color for something new.



75.4180, 0.3338, 0.3170



70.8957, 0.3392, 0.3143



91.2620, 0.3066, 0.3633



18.0771, 0.3247, 0.3219



11.4100, 0.5765, 0.2949

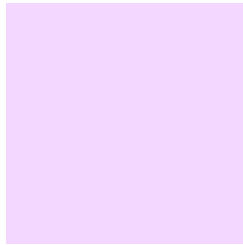


1.1293, 0.5445, 0.2773



# Previews

## White Background



This preview shows how the Yxy color 74.8756, 0.3061, 0.2890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

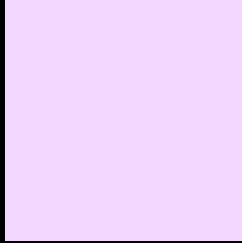
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8756, 0.3061, 0.2890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

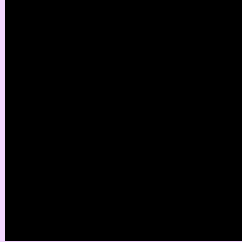
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

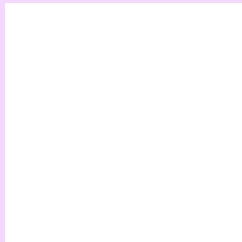
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8756, 0.3061, 0.2890**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8756, 0.3061, 0.2890.

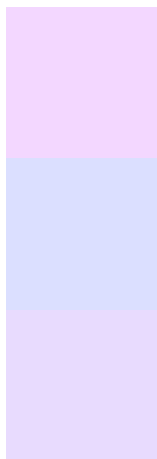


This preview shows how white text looks on a background with the Yxy color 74.8756, 0.3061, 0.2890.

# 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

74.8756, 0.3061, 0.2890

### Protanopia

75.0554, 0.2901, 0.2956

### Deuteranopia

74.9746, 0.2992, 0.2932



## Tritanopia

74.7242, 0.3164, 0.3105

# Trichromacy



## Original Color

74.8756, 0.3061, 0.2890

## Protanomaly

74.9004, 0.2959, 0.2930

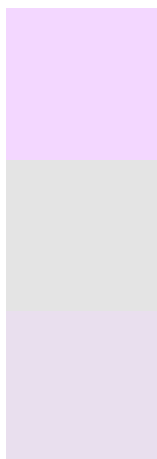
## Deuteranomaly

75.1314, 0.3019, 0.2925

## Tritanomaly

74.7975, 0.3125, 0.3026

# Monochromacy



## Original Color

74.8756, 0.3061, 0.2890

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.2720, 0.3100, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8756, 0.3061, 0.2890 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(243, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 215, 255)  
}
```

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(243, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 215, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8756, 0.3061, 0.2890 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(243, 215, 255) }
```

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

```
.border{ border-color:rgb(243, 215, 255) }
```

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

Here you see how a box with a 4 pixel rgb(243, 215, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 215,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8756, 0.3061, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 215, 255) }
```

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

```
.background{ background-color: rgb(243,  
215, 255) }
```

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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