

# Converting Colors

$Y_{xy}(77.2572, 0.3065, 0.2935)$

Have a look what the booklet for  
Yxy(77.2572, 0.3065, 0.2935)  
contains.

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# Color

**Yxy(77.1161, 0.3068, 0.2932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4DBFF
RGB	244, 219, 255
RGB Percent	96%, 86%, 100%
CMY	0.0430, 0.1412, 0.0002
CMYK	0.04, 0.14, 0.00, 0.00
HSL	282°, 100%, 93%
HSV	282°, 14%, 100%
XYZ	80.6931, 77.1161, 105.2061
YIQ	230.5790, 3.3440, 16.4960

# Conversions

## Conversions Part 2

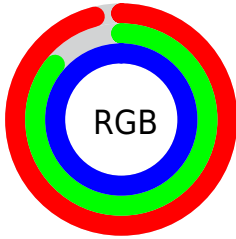
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 219, 255
Decimal	16047103
CIE <sub>Lab</sub>	90.38, 14.93, -14.32
CIE <sub>LCh</sub>	90, 20.687, 316.203
Y <sub>xy</sub>	77.1161, 0.3068, 0.2932
Android (android.graphics.Color)	4294237183 (0xFFFF4DBFF)
YUV	230.5790, 12.0396, 11.7702
Hunter-Lab	87.8158, 10.3444, -9.5603

# Details

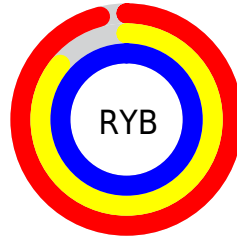
The Yxy color  $77.1161, 0.3068, 0.2932$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $93.4207, 0.3178, 0.3659$ , and the grayscale version is  $79.4927, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.3195, 0.3057, 0.2858$  is the 20% darker color. If you saturate the color by 10%, you get  $63.4624, 0.3016, 0.2662$ , and if you desaturate by 10%, it is  $92.8720, 0.3112, 0.3189$ .

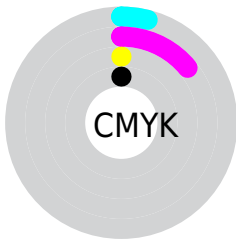
# Distribution



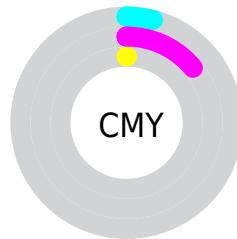
- Red (96%)
- Green (86%)
- Blue (100%)



- Red (96%)
- Yellow (86%)
- Blue (100%)



- Cyan (4%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1161, 0.3068, 0.2932 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 77.1161, 0.3068, 0.2932 by changing the saturation by 10% instead.




 77.1161, 0.3068,  
0.2932

 77.1161, 0.3068,  
0.2932


485.1598, 0.3097,  
0.3092

 57.3482, 0.3061,  
0.2897

129.3034, 0.3078,  
0.2986

 41.2848, 0.3053,  
0.2854


162.4915, 0.3082,  
0.3008

 28.5417, 0.3042,  
0.2801


200.9218, 0.3085,  
0.3026

 18.7344, 0.3027,  
0.2734

244.9786, 0.3088,  
0.3043

 11.4785, 0.3006,  
0.2645

295.0465, 0.3091,  
0.3057

 6.3897, 0.2976,  
0.2522

351.5097, 0.3093,

 3.0834, 0.2927,

0.3070

0.2344

414.7527, 0.3095,  
0.3081

■ 1.1755, 0.2837,  
0.2061

■ 0.0415, 0.2704,  
0.0278

■ 77.1161, 0.3068,  
0.2932

■ 77.1161, 0.3068,  
0.2932

■ 63.4624, 0.3016,  
0.2662

■ 92.8720, 0.3112,  
0.3189

■ 51.8079, 0.2956,  
0.2385

99.9975, 0.3127,  
0.3290

■ 42.0558, 0.2888,  
0.2111

■ 34.0968, 0.2813,  
0.1849

■ 27.8106, 0.2732,  
0.1614

■ 23.0619, 0.2648,  
0.1415

■ 19.6932, 0.2565,  
0.1263

■ 17.5125, 0.2485,  
0.1160

■ 16.6228, 0.2439,  
0.1117

# Harmonies

## Analogous

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



77.1161, 0.2845, 0.2883



77.1161, 0.3068, 0.2932



77.1161, 0.3316, 0.3067

# Triad

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



77.1161, 0.3068, 0.2932



77.1161, 0.3569, 0.3636



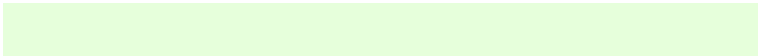
77.1161, 0.2749, 0.3303

# Complementary

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



77.1161, 0.3068, 0.2932



93.4207, 0.3178, 0.3659

# Split Complementary

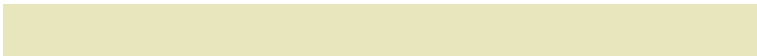
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1161, 0.2932, 0.3528



77.1161, 0.3068, 0.2932



77.1161, 0.3405, 0.3722

# Square

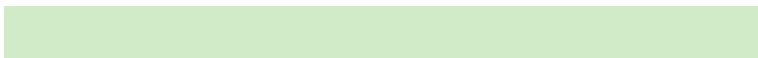
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



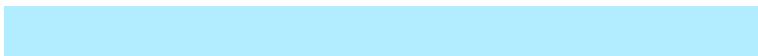
77.1161, 0.3068, 0.2932



77.1161, 0.3611, 0.3465



77.1161, 0.3171, 0.3685



77.1161, 0.2666, 0.3085



# Rectangle

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



77.1161, 0.3068, 0.2932



77.1161, 0.3460, 0.3191



77.1161, 0.3171, 0.3685



77.1161, 0.2801, 0.3381

# Sweetspot

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



77.1194, 0.3068, 0.2932



93.0808, 0.3112, 0.3192



79.0868, 0.2903, 0.3035



19.6530, 0.3109, 0.3173



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.



77.1194, 0.3068, 0.2932



72.9791, 0.3054, 0.2855



78.7155, 0.3187, 0.3002



18.0072, 0.3089, 0.3052



8.7706, 0.2452, 0.1124



0.9113, 0.2540, 0.1173



# Inverse Universe

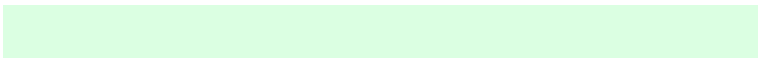
The Inverse Universe completely reimagines the original color for something new.



77.6243, 0.3313, 0.3182



73.5987, 0.3358, 0.3158



92.0241, 0.3072, 0.3596



18.0779, 0.3246, 0.3218



11.4154, 0.5755, 0.2944

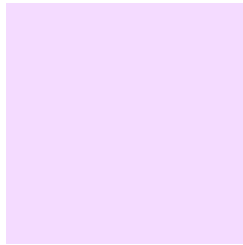


1.1299, 0.5435, 0.2768



# Previews

## White Background



This preview shows how the Yxy color 77.1161, 0.3068, 0.2932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

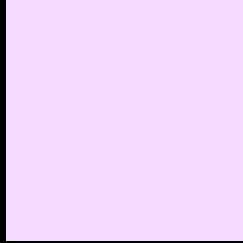
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1161, 0.3068, 0.2932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

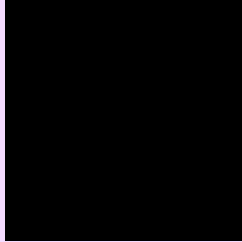
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

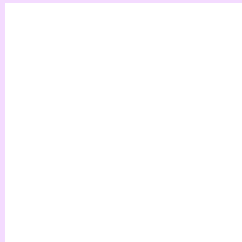
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.1161, 0.3068, 0.2932**

## Background



This preview shows how black text looks on a background with the Yxy color 77.1161, 0.3068, 0.2932.

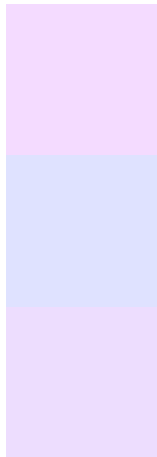


This preview shows how white text looks on a background with the Yxy color 77.1161, 0.3068, 0.2932.

# 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

77.1161, 0.3068, 0.2932

### Protanopia

77.3007, 0.2927, 0.2990

### Deuteranopia

76.8732, 0.3026, 0.2957



## Tritanopia

77.3518, 0.3156, 0.3117

# Trichromacy



## Original Color

77.1161, 0.3068, 0.2932

## Protanomaly

76.9843, 0.2979, 0.2964

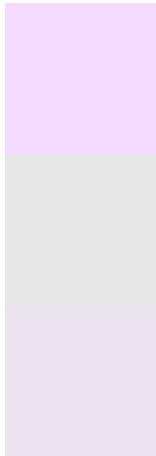
## Deuteranomaly

76.8674, 0.3046, 0.2948

## Tritanomaly

77.3602, 0.3125, 0.3048

# Monochromacy



## Original Color

77.1161, 0.3068, 0.2932

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.0623, 0.3106, 0.3157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1161, 0.3068, 0.2932 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(244, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 219, 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(244, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1161, 0.3068, 0.2932 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(244, 219, 255) }
```

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

```
.border{ border-color:rgb(244, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1161, 0.3068, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 219, 255) }
```

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

```
.background{ background-color: rgb(244,  
219, 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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