

# Converting Colors

$Y_{xy}(75.1718, 0.3059, 0.2883)$

Have a look what the booklet for  
Yxy(75.1718, 0.3059, 0.2883)  
contains.

<b>Yxy(75.0540, 0.3068, 0.2891)</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(75.0540, 0.3068, 0.2891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4D7FF
RGB	244, 215, 255
RGB Percent	96%, 84%, 100%
CMY	0.0433, 0.1568, 0.0000
CMYK	0.04, 0.16, 0.00, 0.00
HSL	283°, 100%, 92%
HSV	283°, 16%, 100%
XYZ	79.6491, 75.0540, 104.9094
YIQ	228.2310, 4.4440, 18.5880

# Conversions

## Conversions Part 2

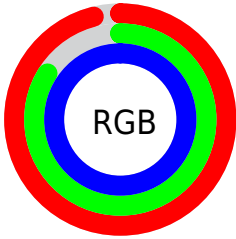
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 215, 255
Decimal	16046079
CIE <sub>Lab</sub>	89.42, 17.01, -15.78
CIE <sub>LCh</sub>	89, 23.200, 317.138
Yxy	75.0540, 0.3068, 0.2891
Android (android.graphics.Color)	4294236159 (0xFFFF4D7FF)
<b>YUV</b>	228.2310, 13.1971, 13.8294
Hunter-Lab	86.6337, 12.5000, -11.1539

# Details

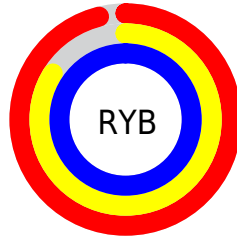
The Yxy color **75.0540, 0.3068, 0.2891** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.6061, 0.3176, 0.3704**, and the grayscale version is **77.6581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9102, 0.3058, 0.2806** is the 20% darker color. If you saturate the color by 10%, you get **61.8288, 0.3021, 0.2621**, and if you desaturate by 10%, it is **90.3557, 0.3108, 0.3150**.

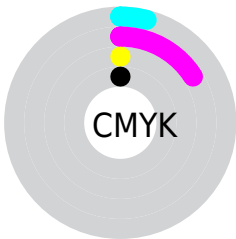
# Distribution



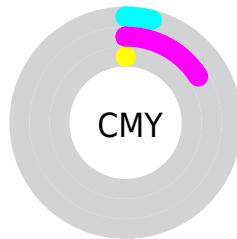
- Red (96%)
- Green (84%)
- Blue (100%)



- Red (96%)
- Yellow (84%)
- Blue (100%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0540, 0.3068, 0.2891 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 75.0540, 0.3068, 0.2891 by changing the saturation by 10% instead.




 75.0540, 0.3068,  
0.2891

 75.0540, 0.3068,  
0.2891


478.1032, 0.3097,  
0.3069

 55.6571, 0.3061,  
0.2852


126.3888, 0.3079,  
0.2952

 39.9281, 0.3052,  
0.2804


159.0955, 0.3082,  
0.2975

 27.4825, 0.3040,  
0.2745


197.0076, 0.3086,  
0.2996

 17.9359, 0.3025,  
0.2670

240.5096, 0.3089,  
0.3014

 10.9040, 0.3003,  
0.2570

289.9857, 0.3091,  
0.3030

 6.0023, 0.2970,  
0.2434

345.8204, 0.3094,

 2.8465, 0.2916,

0.3045

0.2235

408.3981, 0.3096,  
0.3058

1.0521, 0.2815,  
0.1921

0.0000, 0.2548,  
0.0000

75.0540, 0.3068,  
0.2891

75.0540, 0.3068,  
0.2891

61.8288, 0.3021,  
0.2621

90.3557, 0.3108,  
0.3150

50.5795, 0.2966,  
0.2347

100.0000, 0.3127,  
0.3290

41.2070, 0.2904,  
0.2078

33.6007, 0.2835,  
0.1825

■ 27.6384, 0.2762,  
0.1600

■ 23.1819, 0.2686,  
0.1414

■ 20.0696, 0.2610,  
0.1274

■ 18.1020, 0.2537,  
0.1183

■ 17.4807, 0.2507,  
0.1154

# Harmonies

## Analogous

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



75.0540, 0.2814, 0.2831



75.0540, 0.3068, 0.2891



75.0540, 0.3348, 0.3045

# Triad

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



75.0540, 0.3068, 0.2891



75.0540, 0.3623, 0.3684



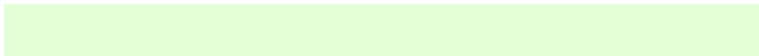
75.0540, 0.2696, 0.3296

# Complementary

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



75.0540, 0.3068, 0.2891



92.6061, 0.3176, 0.3704

# 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.



75.0540, 0.2898, 0.3554



75.0540, 0.3068, 0.2891



75.0540, 0.3433, 0.3780

# Square

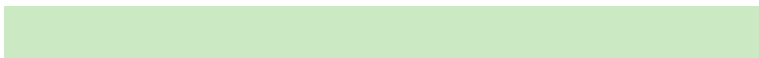
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



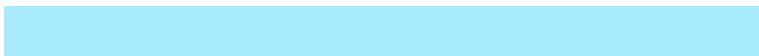
75.0540, 0.3068, 0.2891



75.0540, 0.3677, 0.3492



75.0540, 0.3167, 0.3736



75.0540, 0.2607, 0.3050



# Rectangle

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



75.0540, 0.3068, 0.2891



75.0540, 0.3510, 0.3185



75.0540, 0.3167, 0.3736



75.0540, 0.2752, 0.3384

# Sweetspot

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



75.0562, 0.3068, 0.2891



91.4714, 0.3110, 0.3167



76.2517, 0.2876, 0.2989



19.3314, 0.3108, 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.



75.0562, 0.3068, 0.2891



70.4376, 0.3053, 0.2803



76.5453, 0.3204, 0.2982



18.0334, 0.3093, 0.3053



9.2123, 0.2518, 0.1161



0.9515, 0.2599, 0.1206



# Inverse Universe

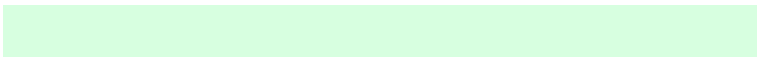
The Inverse Universe completely reimagines the original color for something new.



75.3651, 0.3345, 0.3180



70.8316, 0.3401, 0.3155



91.3346, 0.3059, 0.3619



18.0695, 0.3251, 0.3225



11.3642, 0.5851, 0.2997



1.1240, 0.5532, 0.2821



# Previews

## White Background



This preview shows how the Yxy color 75.0540, 0.3068, 0.2891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

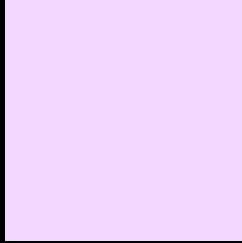
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0540, 0.3068, 0.2891 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

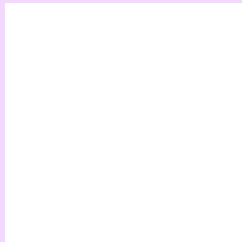
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.0540, 0.3068, 0.2891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0540, 0.3068, 0.2891.

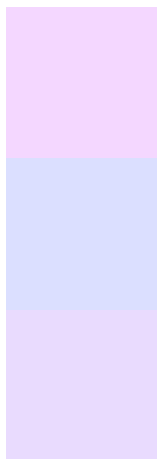


This preview shows how white text looks on a background with the Yxy color 75.0540, 0.3068, 0.2891.

# 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

75.0540, 0.3068, 0.2891

### Protanopia

75.0554, 0.2901, 0.2956

### Deuteranopia

75.1424, 0.2999, 0.2933



## Tritanopia

74.8997, 0.3172, 0.3106

# Trichromacy



## Original Color

75.0540, 0.3068, 0.2891

## Protanomaly

74.9004, 0.2959, 0.2930

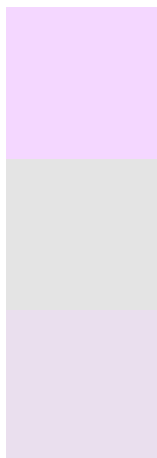
## Deuteranomaly

75.3031, 0.3026, 0.2926

## Tritanomaly

74.9740, 0.3132, 0.3026

# Monochromacy



## Original Color

75.0540, 0.3068, 0.2891

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.4408, 0.3107, 0.3135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0540, 0.3068, 0.2891 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 215, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0540, 0.3068, 0.2891 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, 215, 255) }
```

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

```
.border{ border-color:rgb(244, 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(244, 215, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 215,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0540, 0.3068, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 215, 255) }
```

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

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