

# Converting Colors

Yxy(58.0972, 0.3152, 0.2540)

Have a look what the booklet for  
Yxy(58.0972, 0.3152, 0.2540)  
contains.

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# Color

**Yxy(58.3397, 0.3154, 0.2543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAB0FB
RGB	250, 176, 251
RGB Percent	98%, 69%, 98%
CMY	0.0197, 0.3097, 0.0157
CMYK	0.00, 0.30, 0.00, 0.02
HSL	299°, 90%, 84%
HSV	299°, 30%, 98%
XYZ	72.3568, 58.3397, 98.7164
YIQ	206.6760, 20.0290, 39.0130

# Conversions

## Conversions Part 2

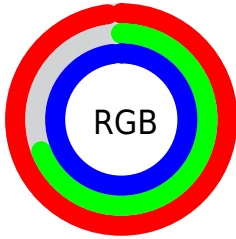
Format	Color
R <sub>Y</sub> B	250, 176, 251
Decimal	16429307
CIE Lab	80.93, 38.76, -26.45
CIE LCh	81, 46.923, 325.682
Yxy	58.3397, 0.3154, 0.2543
Android (android.graphics.Color)	4294619387 (0xFFFA0FB)
YUV	206.6760, 21.8517, 37.9951
Hunter-Lab	76.3804, 35.4311, -23.1619

# Details

The Yxy color  $58.3397, 0.3154, 0.2543$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $81.4839, 0.3092, 0.4166$ , and the grayscale version is  $62.0264, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.1932, 0.3138, 0.3068$ , and  $29.0206, 0.3149, 0.2377$  is the 20% darker color. If you saturate the color by 10%, you get  $49.3281, 0.3162, 0.2302$ , and if you desaturate by 10%, it is  $69.1762, 0.3145, 0.2794$ .

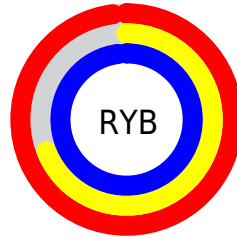
# Distribution



Red (98%)

Green (69%)

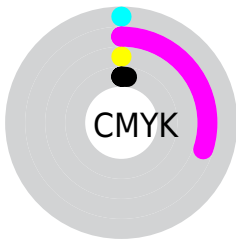
Blue (98%)



Red (98%)

Yellow (69%)

Blue (98%)

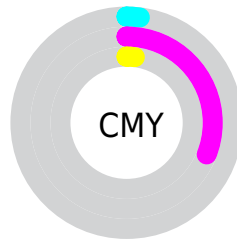


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (2%)

Magenta (31%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3397, 0.3154, 0.2543 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 58.3397, 0.3154, 0.2543 by changing the saturation by 10% instead.




 58.3397, 0.3154,  
0.2543

 58.3397, 0.3154,  
0.2543


418.4505, 0.3150,  
0.2879

 42.0818, 0.3153,  
0.2469


 102.4174, 0.3154,  
0.2657

 29.1654, 0.3151,  
0.2379


131.0059, 0.3154,  
0.2702

 19.2059, 0.3146,  
0.2268


164.4735, 0.3153,  
0.2741

 11.8192, 0.3137,  
0.2126

203.2045, 0.3153,  
0.2776

 6.6207, 0.3121,  
0.1941

247.5833, 0.3152,  
0.2806

 3.2260, 0.3089,  
0.1690

297.9944, 0.3151,

 1.2508, 0.3021,

0.2833

0.1339


354.8220, 0.3151,  
0.2857


 0.1027, 0.3023,  
0.0293


 0.0000, 0.0000,  
0.0000


 58.3397, 0.3154,  
0.2543


 58.3397, 0.3154,  
0.2543


 49.3281, 0.3162,  
0.2302

 69.1762, 0.3145,  
0.2794


 42.0334, 0.3168,  
0.2080

 81.9228, 0.3136,  
0.3047

 36.3480, 0.3173,  
0.1888

 96.6684, 0.3127,  
0.3293

 32.1490, 0.3177,  
0.1734

 99.0598, 0.3128,  
0.3328

29.2957, 0.3178,  
0.1622

99.1237, 0.3130,  
0.3328

27.6207, 0.3177,  
0.1554

99.1876, 0.3132,  
0.3328

26.8518, 0.3175,  
0.1523

99.2517, 0.3134,  
0.3328

26.8443, 0.3175,  
0.1522

99.3159, 0.3136,  
0.3328

99.3802, 0.3138,  
0.3328

# Harmonies

## Analogous

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



58.3397, 0.2586, 0.2359



58.3397, 0.3154, 0.2543



58.3397, 0.3770, 0.2885

# Triad

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



58.3397, 0.3154, 0.2543



58.3397, 0.4094, 0.4200



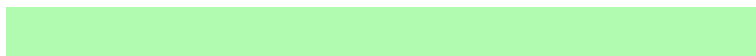
58.3397, 0.2139, 0.3099

# Complementary

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



58.3397, 0.3154, 0.2543



81.4839, 0.3092, 0.4166

# 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.



58.3397, 0.2477, 0.3722



58.3397, 0.3154, 0.2543



58.3397, 0.3602, 0.4401

# Square

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



58.3397, 0.3154, 0.2543



58.3397, 0.4335, 0.3793



58.3397, 0.3009, 0.4239



58.3397, 0.2047, 0.2620



# Rectangle

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



58.3397, 0.3154, 0.2543



58.3397, 0.4102, 0.3172



58.3397, 0.3009, 0.4239



58.3397, 0.2225, 0.3300

# Sweetspot

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



58.3423, 0.3154, 0.2543



86.1620, 0.3135, 0.3068



47.7463, 0.2599, 0.2428



17.9976, 0.3137, 0.3032



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.



58.3423, 0.3154, 0.2543



54.5084, 0.3159, 0.2393



56.4606, 0.3456, 0.2888



17.5118, 0.3136, 0.3056



14.1156, 0.3175, 0.1523



1.3111, 0.3179, 0.1525



# Inverse Universe

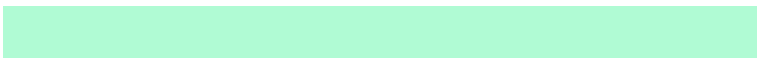
The Inverse Universe completely reimagines the original color for something new.



54.7426, 0.3791, 0.3281



50.2222, 0.3991, 0.3279



82.9954, 0.2892, 0.3732



17.2291, 0.3292, 0.3287



10.7861, 0.6387, 0.3292



1.0003, 0.6352, 0.3273



# Previews

## White Background



This preview shows how the Yxy color 58.3397, 0.3154, 0.2543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

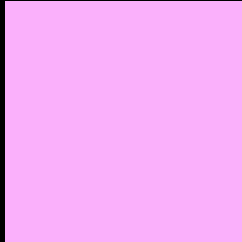
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3397, 0.3154, 0.2543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

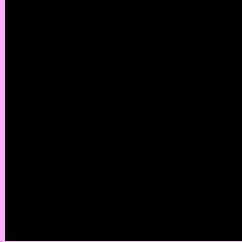
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3397, 0.3154, 0.2543**

## Background



This preview shows how black text looks on a background with the Yxy color 58.3397, 0.3154, 0.2543.



This preview shows how white text looks on a background with the Yxy color 58.3397, 0.3154, 0.2543.

# 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

58.3397, 0.3154, 0.2543

### Protanopia

58.6316, 0.2675, 0.2660

### Deuteranopia

58.6537, 0.2795, 0.2730



## Tritanopia

58.3426, 0.3496, 0.3141

# Trichromacy



## Original Color

58.3397, 0.3154, 0.2543



## Protanomaly

58.1190, 0.2831, 0.2608



## Deuteranomaly

57.9242, 0.2920, 0.2653



## Tritanomaly

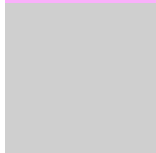
58.1632, 0.3370, 0.2903

# Monochromacy



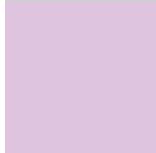
## Original Color

58.3397, 0.3154, 0.2543



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

60.4955, 0.3141, 0.2993

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3397, 0.3154, 0.2543 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(250, 176, 251)` looks like.

```
.text, #text, p{  
    color:rgb(250, 176, 251)  
}
```

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(250, 176, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 176, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3397, 0.3154, 0.2543 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(250, 176, 251) }
```

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

```
.border{ border-color:rgb(250, 176, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 176, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 176, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 176, 251);  
box-shadow:4px 4px 4px 4px rgb(250, 176,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3397, 0.3154, 0.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 176, 251) }
```

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

```
.background{ background-color: rgb(250,  
176, 251) }
```

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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