

# Converting Colors

Yxy(59.0223, 0.3124, 0.2632)

Have a look what the booklet for  
Yxy(59.0223, 0.3124, 0.2632)  
contains.

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# Color

**Yxy(58.9870, 0.3126, 0.2635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2B6F6
RGB	242, 182, 246
RGB Percent	95%, 71%, 96%
CMY	0.0510, 0.2862, 0.0353
CMYK	0.02, 0.26, 0.00, 0.04
HSL	296°, 78%, 84%
HSV	296°, 26%, 96%
XYZ	69.9785, 58.9870, 94.8941
YIQ	207.2360, 15.2160, 32.6240

# Conversions

## Conversions Part 2

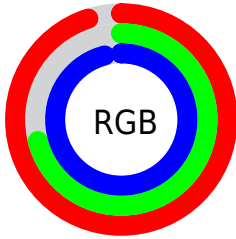
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 182, 246
Decimal	15906550
CIE <sub>Lab</sub>	81.28, 32.16, -23.31
CIE <sub>LCh</sub>	81, 39.716, 324.066
Y <sub>xy</sub>	58.9870, 0.3126, 0.2635
Android (android.graphics.Color)	4294096630 (0xFFFF2B6F6)
Y <sub>UV</sub>	207.2360, 19.1107, 30.4880
Hunter-Lab	76.8030, 28.2338, -19.4938

# Details

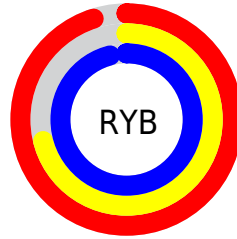
The Yxy color **58.9870, 0.3126, 0.2635** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.7390, 0.3117, 0.4031**, and the grayscale version is **62.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **29.4703, 0.3112, 0.2478** is the 20% darker color. If you saturate the color by 10%, you get **49.5098, 0.3122, 0.2384**, and if you desaturate by 10%, it is **70.2416, 0.3128, 0.2891**.

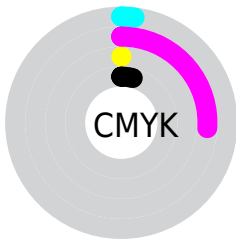
# Distribution



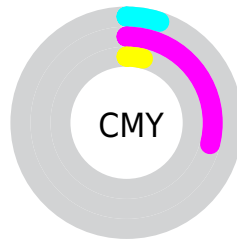
- Red (95%)
- Green (71%)
- Blue (96%)



- Red (95%)
- Yellow (71%)
- Blue (96%)



- Cyan (2%)
- Magenta (26%)
- Yellow (0%)
- Black (4%)




- Cyan (5%)
- Magenta (29%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9870, 0.3126, 0.2635 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 58.9870, 0.3126, 0.2635 by changing the saturation by 10% instead.





 58.9870, 0.3126,  
0.2635

 58.9870, 0.3126,  
0.2635


420.8537, 0.3133,  
0.2932

 42.6027, 0.3123,  
0.2569

 103.3588, 0.3130,  
0.2737

 29.5735, 0.3118,  
0.2488


132.1150, 0.3131,  
0.2777

 19.5151, 0.3111,  
0.2387


165.7639, 0.3132,  
0.2811

 12.0430, 0.3099,  
0.2258

204.6900, 0.3132,  
0.2841

 6.7730, 0.3079,  
0.2088

249.2777, 0.3133,  
0.2868

 3.3205, 0.3044,  
0.1853


299.9112, 0.3133,

 1.3013, 0.2972,


0.2892


0.1514

356.9751, 0.3133,  
0.2913

 0.1422, 0.2973,  
0.0458

 0.0000, 0.0000,  
0.0000


 58.9870, 0.3126,  
0.2635


 58.9870, 0.3126,  
0.2635


 49.5098, 0.3122,  
0.2384

 70.2416, 0.3128,  
0.2891


 41.7097, 0.3116,  
0.2146

 83.3519, 0.3128,  
0.3143

 35.4882, 0.3108,  
0.1933

 97.8809, 0.3127,  
0.3377

 30.7336, 0.3098,  
0.1753

 98.1625, 0.3136,  
0.3377

27.3193, 0.3085,  
0.1614

98.4465, 0.3146,  
0.3377

25.0972, 0.3071,  
0.1519

98.7329, 0.3156,  
0.3377

23.8842, 0.3056,  
0.1467

99.0216, 0.3165,  
0.3376

23.5690, 0.3049,  
0.1453

99.3126, 0.3175,  
0.3376

99.4345, 0.3179,  
0.3376

# Harmonies

## Analogous

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



58.9870, 0.2647, 0.2485



58.9870, 0.3126, 0.2635



58.9870, 0.3645, 0.2927

# Triad

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



58.9870, 0.3126, 0.2635



58.9870, 0.3970, 0.4057



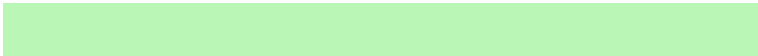
58.9870, 0.2293, 0.3164

# Complementary

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



58.9870, 0.3126, 0.2635



79.7390, 0.3117, 0.4031

# 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.



58.9870, 0.2600, 0.3680



58.9870, 0.3126, 0.2635



58.9870, 0.3565, 0.4221

# Square

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



58.9870, 0.3126, 0.2635



58.9870, 0.4151, 0.3713



58.9870, 0.3062, 0.4093



58.9870, 0.2197, 0.2745



# Rectangle

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



58.9870, 0.3126, 0.2635



58.9870, 0.3929, 0.3176



58.9870, 0.3062, 0.4093



58.9870, 0.2373, 0.3334

# Sweetspot

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



58.9896, 0.3126, 0.2635



87.4255, 0.3128, 0.3093



51.8350, 0.2681, 0.2595



18.2388, 0.3128, 0.3055



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.



58.9896, 0.3126, 0.2635



58.5811, 0.3124, 0.2507



58.1310, 0.3376, 0.2910



16.7122, 0.3128, 0.3056



12.6023, 0.3052, 0.1455



1.1234, 0.3073, 0.1466



# Inverse Universe

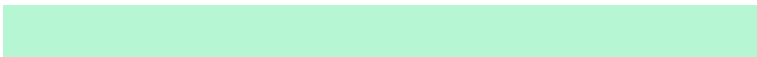
The Inverse Universe completely reimagines the original color for something new.



56.6010, 0.3650, 0.3248



55.6239, 0.3791, 0.3240



80.5048, 0.2938, 0.3704



16.4994, 0.3284, 0.3276



10.4837, 0.6335, 0.3264



0.9272, 0.6175, 0.3175



# Previews

## White Background



This preview shows how the Yxy color 58.9870, 0.3126, 0.2635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

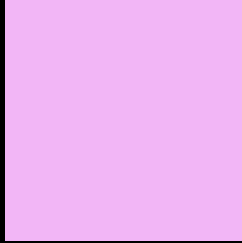
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.9870, 0.3126, 0.2635 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 58.9870, 0.3126, 0.2635**

## Background



This preview shows how black text looks on a background with the Yxy color 58.9870, 0.3126, 0.2635.



This preview shows how white text looks on a background with the Yxy color 58.9870, 0.3126, 0.2635.

# 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

58.9870, 0.3126, 0.2635

### Protanopia

59.2199, 0.2683, 0.2673

### Deuteranopia

59.4158, 0.2848, 0.2787



## Tritanopia

59.0194, 0.3398, 0.3138

# Trichromacy



## Original Color

58.9870, 0.3126, 0.2635



## Protanomaly

58.5781, 0.2831, 0.2647



## Deuteranomaly

58.9826, 0.2948, 0.2726



## Tritanomaly

58.8323, 0.3298, 0.2948

# Monochromacy



## Original Color

58.9870, 0.3126, 0.2635



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

60.8243, 0.3131, 0.3035

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9870, 0.3126, 0.2635 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(242, 182, 246)` looks like.

```
.text, #text, p{  
    color:rgb(242, 182, 246)  
}
```

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(242, 182, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 182, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9870, 0.3126, 0.2635 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(242, 182, 246) }
```

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

```
.border{ border-color:rgb(242, 182, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 182, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 182, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 182, 246);  
box-shadow:4px 4px 4px 4px rgb(242, 182,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9870, 0.3126, 0.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 182, 246) }
```

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

```
.background{ background-color: rgb(242,  
182, 246) }
```

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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