

# Converting Colors

Yxy(63.2929, 0.3069, 0.2565)

Have a look what the booklet for  
Yxy(63.2929, 0.3069, 0.2565)  
contains.

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# Color

**Yxy(62.9004, 0.3113, 0.2614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9BBFF
RGB	249, 187, 255
RGB Percent	98%, 73%, 100%
CMY	0.0233, 0.2668, 0.0000
CMYK	0.02, 0.27, 0.00, 0.00
HSL	295°, 100%, 87%
HSV	295°, 27%, 100%
XYZ	74.9078, 62.9004, 102.8207
YIQ	213.2900, 15.1240, 34.2920

# Conversions

## Conversions Part 2

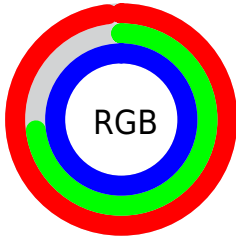
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 187, 255
Decimal	16366591
CIE Lab	83.39, 33.44, -24.86
CIE LCh	83, 41.668, 323.380
Yxy	62.9004, 0.3113, 0.2614
Android (android.graphics.Color)	4294556671 (0xFFF9BBFF)
YUV	213.2900, 20.5630, 31.3177
Hunter-Lab	79.3098, 29.8005, -21.3494

# Details

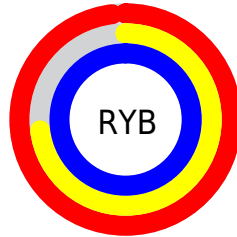
The Yxy color **62.9004, 0.3113, 0.2614** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.4318, 0.3127, 0.4052**, and the grayscale version is **66.5983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1814, 0.3132, 0.3185**, and **32.0587, 0.3105, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **52.6213, 0.3103, 0.2361**, and if you desaturate by 10%, it is **75.1074, 0.3120, 0.2872**.

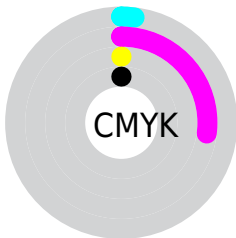
# Distribution



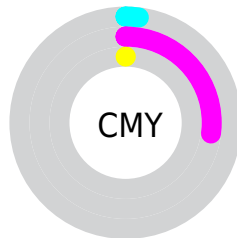
- Red (98%)
- Green (73%)
- Blue (100%)



- Red (98%)
- Yellow (73%)
- Blue (100%)



- Cyan (2%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9004, 0.3113, 0.2614 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 62.9004, 0.3113, 0.2614 by changing the saturation by 10% instead.




 62.9004, 0.3113,  
0.2614

 62.9004, 0.3113,  
0.2614


435.2079, 0.3127,  
0.2916

 45.7606, 0.3108,  
0.2548


 109.0258, 0.3119,  
0.2717

 32.0570, 0.3102,  
0.2467

138.7802, 0.3121,  
0.2757

 21.4050, 0.3092,  
0.2367


173.5084, 0.3123,  
0.2793

 13.4204, 0.3078,  
0.2240

213.5945, 0.3124,  
0.2823

 7.7187, 0.3055,  
0.2075

259.4232, 0.3125,  
0.2851

 3.9155, 0.3016,  
0.1850


311.3787, 0.3126,


 1.6264, 0.2942,

0.2875

0.1533


369.8455, 0.3126,  
0.2897


 0.3753, 0.2841,  
0.0875


 0.0000, 0.1138,  
0.0000


 62.9004, 0.3113,  
0.2614

 62.9004, 0.3113,  
0.2614

 52.6213, 0.3103,  
0.2361


 75.1074, 0.3120,  
0.2872

 44.1651, 0.3091,  
0.2120

 89.3330, 0.3125,  
0.3126

 37.4218, 0.3075,  
0.1904

100.0000, 0.3127,  
0.3290

 32.2683, 0.3058,  
0.1722

■ 28.5652, 0.3038,  
0.1581

■ 26.1484, 0.3016,  
0.1485

■ 24.8122, 0.2994,  
0.1431

■ 24.5038, 0.2987,  
0.1419

# Harmonies

## Analogous

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



62.9004, 0.2624, 0.2465



62.9004, 0.3113, 0.2614



62.9004, 0.3648, 0.2910

# Triad

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



62.9004, 0.3113, 0.2614



62.9004, 0.3999, 0.4069



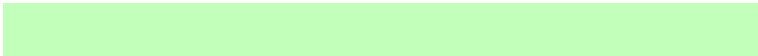
62.9004, 0.2277, 0.3171

# Complementary

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



62.9004, 0.3113, 0.2614



86.4318, 0.3127, 0.4052

# 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.



62.9004, 0.2595, 0.3703



62.9004, 0.3113, 0.2614



62.9004, 0.3586, 0.4246

# Square

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



62.9004, 0.3113, 0.2614



62.9004, 0.4180, 0.3713



62.9004, 0.3071, 0.4123



62.9004, 0.2175, 0.2737



# Rectangle

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



62.9004, 0.3113, 0.2614



62.9004, 0.3943, 0.3163



62.9004, 0.3071, 0.4123



62.9004, 0.2360, 0.3346

# Sweetspot

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



62.9015, 0.3113, 0.2614



87.3320, 0.3125, 0.3093



56.2654, 0.2669, 0.2599



18.2151, 0.3124, 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.



62.9015, 0.3113, 0.2614



57.1961, 0.3108, 0.2478



62.3791, 0.3366, 0.2877



18.2151, 0.3124, 0.3055



12.8371, 0.2990, 0.1421



1.2726, 0.3017, 0.1436



# Inverse Universe

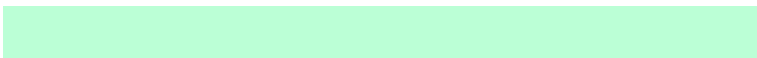
The Inverse Universe completely reimagines the original color for something new.



60.6354, 0.3655, 0.3230



54.6171, 0.3802, 0.3217



86.9459, 0.2945, 0.3743



18.0128, 0.3281, 0.3270



11.1483, 0.6307, 0.3248



1.0938, 0.6115, 0.3142



# Previews

## White Background



This preview shows how the Yxy color 62.9004, 0.3113, 0.2614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

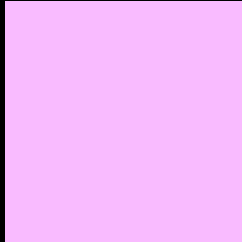
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9004, 0.3113, 0.2614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

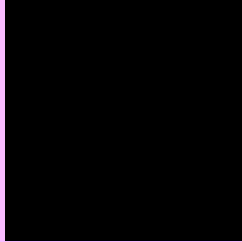
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.9004, 0.3113, 0.2614**

## Background



This preview shows how black text looks on a background with the Yxy color 62.9004, 0.3113, 0.2614.



This preview shows how white text looks on a background with the Yxy color 62.9004, 0.3113, 0.2614.

# 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

62.9004, 0.3113, 0.2614

### Protanopia

63.0984, 0.2741, 0.2750

### Deuteranopia

63.3358, 0.2823, 0.2767



## Tritanopia

62.7880, 0.3392, 0.3121

# Trichromacy



## Original Color

62.9004, 0.3113, 0.2614



## Protanomaly

62.5139, 0.2864, 0.2692



## Deuteranomaly

63.0096, 0.2926, 0.2709



## Tritanomaly

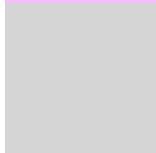
62.6578, 0.3287, 0.2927

# Monochromacy



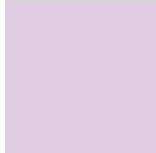
## Original Color

62.9004, 0.3113, 0.2614



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

64.9559, 0.3124, 0.3031

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9004, 0.3113, 0.2614 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(249, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 187, 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(249, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 187, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9004, 0.3113, 0.2614 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(249, 187, 255) }
```

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

```
.border{ border-color:rgb(249, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 187,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9004, 0.3113, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 187, 255) }
```

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

```
.background{ background-color: rgb(249,  
187, 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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