

# Converting Colors

$Y_{xy}(64.2335, 0.3251, 0.2579)$

Have a look what the booklet for  
Yxy(64.2335, 0.3251, 0.2579)  
contains.

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# Color

**Yxy(61.5277, 0.3161, 0.2565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB5FF
RGB	255, 181, 255
RGB Percent	100%, 71%, 100%
CMY	0.0000, 0.2902, 0.0000
CMYK	0.00, 0.29, 0.00, 0.00
HSL	300°, 100%, 85%
HSV	300°, 29%, 100%
XYZ	75.8242, 61.5277, 102.5222
YIQ	211.5620, 20.3500, 38.7020

# Conversions

## Conversions Part 2

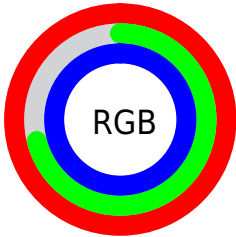
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 181, 255
Decimal	16758271
CIE <sub>Lab</sub>	82.66, 38.46, -25.92
CIE <sub>LCh</sub>	83, 46.378, 326.020
Yxy	61.5277, 0.3161, 0.2565
Android (android.graphics.Color)	4294948351 (0xFFFFB5FF)
YUV	211.5620, 21.4149, 38.0951
Hunter-Lab	78.4396, 35.2790, -22.5855

# Details

The Yxy color **61.5277, 0.3161, 0.2565** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **84.6784, 0.3087, 0.4140**, and the grayscale version is **65.3731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **31.1263, 0.3158, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **52.0863, 0.3172, 0.2324**, and if you desaturate by 10%, it is **72.8591, 0.3149, 0.2816**.

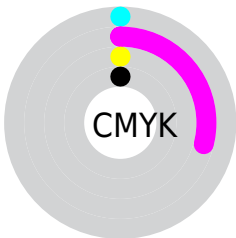
# Distribution



- Red (100%)
- Green (71%)
- Blue (100%)



- Red (100%)
- Yellow (71%)
- Blue (100%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (29%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.5277, 0.3161, 0.2565 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 61.5277, 0.3161, 0.2565 by changing the saturation by 10% instead.





 61.5277, 0.3161,  
0.2565

 61.5277, 0.3161,  
0.2565


430.2062, 0.3153,  
0.2888

 44.6512, 0.3161,  
0.2494


 107.0426, 0.3160,  
0.2675

 31.1828, 0.3160,  
0.2408


136.4498, 0.3159,  
0.2718

 20.7381, 0.3157,  
0.2302


170.8027, 0.3158,  
0.2756

 12.9327, 0.3151,  
0.2168

210.4857, 0.3157,  
0.2789

 7.3822, 0.3139,  
0.1993

255.8831, 0.3156,  
0.2818

 3.7023, 0.3115,  
0.1758

307.3794, 0.3155,


 1.5084, 0.3061,


0.2844


0.1428

365.3590, 0.3154,  
0.2867


 0.2947, 0.3013,  
0.0695


 0.0000, 0.1523,  
0.0000


 61.5277, 0.3161,  
0.2565

 61.5277, 0.3161,  
0.2565

 52.0863, 0.3172,  
0.2324


 72.8591, 0.3149,  
0.2816

 44.4427, 0.3183,  
0.2103

 86.1878, 0.3138,  
0.3068

 38.4797, 0.3192,  
0.1910

100.0000, 0.3127,  
0.3290

 34.0706, 0.3199,  
0.1756

■ 31.0712, 0.3204,  
0.1643

■ 29.3101, 0.3208,  
0.1575

■ 28.5341, 0.3209,  
0.1544

■ 28.4800, 0.3209,  
0.1542

# Harmonies

## Analogous

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



61.5277, 0.2607, 0.2384



61.5277, 0.3161, 0.2565



61.5277, 0.3758, 0.2901

# Triad

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



61.5277, 0.3161, 0.2565



61.5277, 0.4064, 0.4180



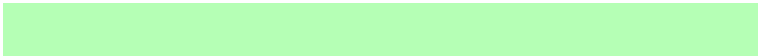
61.5277, 0.2162, 0.3100

# Complementary

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



61.5277, 0.3161, 0.2565



84.6784, 0.3087, 0.4140

# 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.



61.5277, 0.2491, 0.3702



61.5277, 0.3161, 0.2565



61.5277, 0.3584, 0.4369

# Square

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



61.5277, 0.3161, 0.2565



61.5277, 0.4300, 0.3788



61.5277, 0.3007, 0.4205



61.5277, 0.2074, 0.2636



# Rectangle

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



61.5277, 0.3161, 0.2565



61.5277, 0.4078, 0.3182



61.5277, 0.3007, 0.4205



61.5277, 0.2246, 0.3294

# Sweetspot

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



61.5239, 0.3161, 0.2565



86.2214, 0.3138, 0.3069



50.0865, 0.2614, 0.2441



18.0124, 0.3139, 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.



61.5239, 0.3161, 0.2565



55.6616, 0.3168, 0.2420



59.3656, 0.3454, 0.2912



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

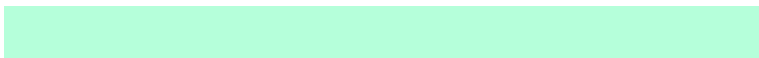
The Inverse Universe completely reimagines the original color for something new.



61.5239, 0.3161, 0.2565



55.6616, 0.3168, 0.2420



86.4043, 0.2892, 0.3703



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 61.5277, 0.3161, 0.2565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

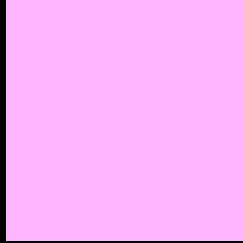
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.5277, 0.3161, 0.2565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

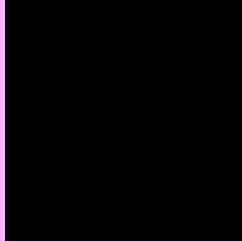
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.5277, 0.3161, 0.2565**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.5277, 0.3161, 0.2565.



This preview shows how white text looks on a background with the Yxy color 61.5277, 0.3161, 0.2565.

# 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

61.5277, 0.3161, 0.2565

### Protanopia

61.7432, 0.2719, 0.2724

### Deuteranopia

62.0435, 0.2815, 0.2753



## Tritanopia

61.6258, 0.3487, 0.3144

# Trichromacy



## Original Color

61.5277, 0.3161, 0.2565



## Protanomaly

61.2988, 0.2870, 0.2661



## Deuteranomaly

61.2998, 0.2939, 0.2677



## Tritanomaly

61.3776, 0.3372, 0.2920

# Monochromacy



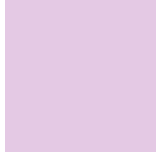
## Original Color

61.5277, 0.3161, 0.2565



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

63.8687, 0.3141, 0.2999

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.5277, 0.3161, 0.2565 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(255, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 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(255, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.5277, 0.3161, 0.2565 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(255, 181, 255) }
```

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

```
.border{ border-color:rgb(255, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.5277, 0.3161, 0.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 255) }
```

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

```
.background{ background-color: rgb(255,  
181, 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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