

# Converting Colors

$Y_{xy}(94.2569, 0.4121, 0.2767)$

Have a look what the booklet for  
Yxy(94.2569, 0.4121, 0.2767)  
contains.

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# Color

**Yxy(60.7202, 0.3162, 0.2546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB3FF
RGB	255, 179, 255
RGB Percent	100%, 70%, 100%
CMY	0.0000, 0.2980, 0.0000
CMYK	0.00, 0.30, 0.00, 0.00
HSL	300°, 100%, 85%
HSV	300°, 30%, 100%
XYZ	75.4113, 60.7202, 102.3610
YIQ	210.3880, 20.9000, 39.7480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 179, 255
Decimal	16757759
CIE <sub>Lab</sub>	82.23, 39.48, -26.57
CIE <sub>LCh</sub>	82, 47.589, 326.067
Yxy	60.7202, 0.3162, 0.2546
Android (android.graphics.Color)	4294947839 (0xFFFFB3FF)
YUV	210.3880, 21.9937, 39.1247
Hunter-Lab	77.9232, 36.3806, -23.3380

# Details

The Yxy color  $60.7202, 0.3162, 0.2546$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $84.3590, 0.3086, 0.4166$ , and the grayscale version is  $64.5602, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.4709, 0.3136, 0.3107$ , and  $30.6148, 0.3159, 0.2385$  is the 20% darker color. If you saturate the color by 10%, you get  $51.4278, 0.3173, 0.2306$ , and if you desaturate by 10%, it is  $71.9058, 0.3150, 0.2797$ .

# Distribution



- Red (100%)
- Green (70%)
- Blue (100%)



- Red (100%)
- Yellow (70%)
- Blue (100%)



- Cyan (0%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7202, 0.3162, 0.2546 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 60.7202, 0.3162, 0.2546 by changing the saturation by 10% instead.




 60.7202, 0.3162,  
0.2546

 60.7202, 0.3162,  
0.2546

427.2473, 0.3154,  
0.2878

 43.9994, 0.3162,  
0.2473


 105.8737, 0.3161,  
0.2659

 30.6700, 0.3161,  
0.2385


135.0752, 0.3160,  
0.2703

 20.3477, 0.3158,  
0.2277


169.2057, 0.3159,  
0.2742

 12.6481, 0.3151,  
0.2139

208.6496, 0.3158,  
0.2776

 7.1866, 0.3138,  
0.1960

253.7914, 0.3157,  
0.2806

 3.5791, 0.3112,  
0.1719


305.0153, 0.3156,


 1.4410, 0.3054,

0.2832

0.1383


362.7058, 0.3155,  
0.2856


 0.2467, 0.3013,  
0.0594


 0.0000, 0.1370,  
0.0000


 60.7202, 0.3162,  
0.2546


 60.7202, 0.3162,  
0.2546

 51.4278, 0.3173,  
0.2306

 71.9058, 0.3150,  
0.2797

 43.9194, 0.3184,  
0.2087

 85.0759, 0.3138,  
0.3048

 38.0821, 0.3193,  
0.1897

100.0000, 0.3127,  
0.3290

 33.7883, 0.3200,  
0.1745

■ 30.8919, 0.3205,  
0.1636

■ 29.2190, 0.3208,  
0.1571

■ 28.4909, 0.3209,  
0.1542

■ 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.



60.7202, 0.2592, 0.2360



60.7202, 0.3162, 0.2546



60.7202, 0.3778, 0.2890

# Triad

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



60.7202, 0.3162, 0.2546



60.7202, 0.4089, 0.4204



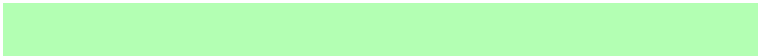
60.7202, 0.2135, 0.3092

# Complementary

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



60.7202, 0.3162, 0.2546



84.3590, 0.3086, 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.



60.7202, 0.2471, 0.3714



60.7202, 0.3162, 0.2546



60.7202, 0.3595, 0.4403

# Square

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



60.7202, 0.3162, 0.2546



60.7202, 0.4335, 0.3800



60.7202, 0.3001, 0.4235



60.7202, 0.2046, 0.2615



# Rectangle

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



60.7202, 0.3162, 0.2546



60.7202, 0.4108, 0.3178



60.7202, 0.3001, 0.4235



60.7202, 0.2221, 0.3292

# Sweetspot

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



60.7218, 0.3162, 0.2546



86.2214, 0.3138, 0.3069



49.0460, 0.2598, 0.2415



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.



60.7218, 0.3162, 0.2546



54.7455, 0.3169, 0.2396



58.5117, 0.3466, 0.2902



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

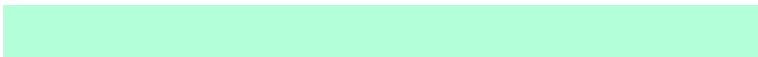
The Inverse Universe completely reimagines the original color for something new.



60.7218, 0.3162, 0.2546



54.7455, 0.3169, 0.2396



86.1141, 0.2886, 0.3716



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 60.7202, 0.3162, 0.2546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

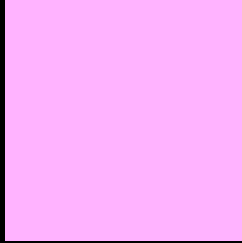
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7202, 0.3162, 0.2546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

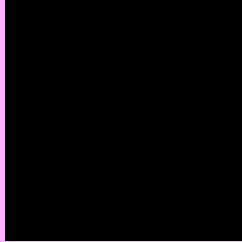
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.7202, 0.3162, 0.2546**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7202, 0.3162, 0.2546.



This preview shows how white text looks on a background with the Yxy color 60.7202, 0.3162, 0.2546.

# 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

60.7202, 0.3162, 0.2546

### Protanopia

61.0082, 0.2705, 0.2711

### Deuteranopia

61.2949, 0.2800, 0.2739



## Tritanopia

60.7113, 0.3499, 0.3133

# Trichromacy



## Original Color

60.7202, 0.3162, 0.2546



## Protanomaly

60.0997, 0.2855, 0.2637



## Deuteranomaly

60.5404, 0.2924, 0.2664



## Tritanomaly

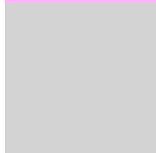
60.5349, 0.3375, 0.2900

# Monochromacy



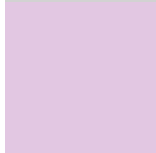
## Original Color

60.7202, 0.3162, 0.2546



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

62.5066, 0.3141, 0.2997

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7202, 0.3162, 0.2546 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, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 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, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7202, 0.3162, 0.2546 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, 179, 255) }
```

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

```
.border{ border-color:rgb(255, 179, 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, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7202, 0.3162, 0.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 255) }
```

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

```
.background{ background-color: rgb(255,  
179, 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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