

# Converting Colors

$Yxy(61.2021, 0.3336, 0.2802)$

Have a look what the booklet for  
Yxy(61.2021, 0.3336, 0.2802)  
contains.

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# Color

**Yxy(61.3672, 0.3336, 0.2807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8E8
RGB	255, 184, 232
RGB Percent	100%, 72%, 91%
CMY	0.0001, 0.2783, 0.0903
CMYK	0.00, 0.28, 0.09, 0.00
HSL	319°, 100%, 86%
HSV	319°, 28%, 100%
XYZ	72.9323, 61.3672, 84.3225
YIQ	210.7010, 26.9080, 29.9800

# Conversions

## Conversions Part 2

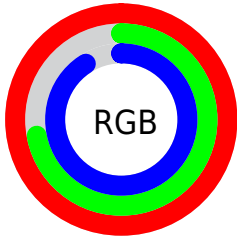
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 184, 232
Decimal	16759016
CIE Lab	82.58, 32.86, -13.71
CIE LCh	83, 35.601, 337.357
Yxy	61.3672, 0.3336, 0.2807
Android (android.graphics.Color)	4294949096 (0xFFFFB8E8)
YUV	210.7010, 10.5004, 38.8502
Hunter-Lab	78.3372, 29.0942, -8.9840

# Details

The Yxy color **61.3672, 0.3336, 0.2807** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.1965, 0.2966, 0.3828**, and the grayscale version is **64.8505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3906, 0.3133, 0.3156**, and **30.9702, 0.3383, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **51.2543, 0.3436, 0.2630**, and if you desaturate by 10%, it is **73.4167, 0.3250, 0.2985**.

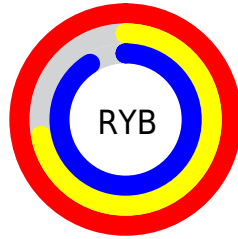
# Distribution



Red (100%)

Green (72%)

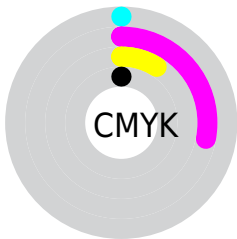
Blue (91%)



Red (100%)

Yellow (72%)

Blue (91%)

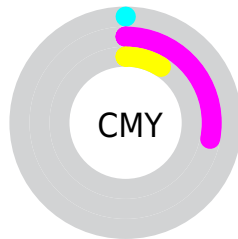


Cyan (0%)

Magenta (28%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3672, 0.3336, 0.2807 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 61.3672, 0.3336, 0.2807 by changing the saturation by 10% instead.




 61.3672, 0.3336,  
0.2807

 61.3672, 0.3336,  
0.2807

429.6191, 0.3241,  
0.3028

 44.5216, 0.3357,  
0.2757

 106.8104, 0.3303,  
0.2883

 31.0808, 0.3383,  
0.2696


136.1768, 0.3291,  
0.2913

 20.6604, 0.3416,  
0.2620


170.4856, 0.3280,  
0.2938

 12.8760, 0.3458,  
0.2521

210.1212, 0.3270,  
0.2961

 7.3432, 0.3515,  
0.2388

255.4679, 0.3261,  
0.2980

 3.6776, 0.3594,  
0.2201


306.9102, 0.3254,


 1.4949, 0.3711,

0.2998

0.1921


364.8325, 0.3247,  
0.3014


 0.2852, 0.4083,  
0.1063

 0.0000, 0.2481,  
0.0000


 61.3672, 0.3336,  
0.2807


 61.3672, 0.3336,  
0.2807

 51.2543, 0.3436,  
0.2630


 73.4167, 0.3250,  
0.2985

 42.9667, 0.3549,  
0.2462

 87.4896, 0.3176,  
0.3159

 36.3948, 0.3675,  
0.2313

99.9931, 0.3127,  
0.3290

 31.4135, 0.3811,  
0.2195

■ 27.8808, 0.3953,  
0.2118

■ 25.6290, 0.4095,  
0.2091

■ 24.4344, 0.4233,  
0.2113

■ 24.2440, 0.4263,  
0.2122

# Harmonies

## Analogous

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



61.3672, 0.2879, 0.2610



61.3672, 0.3336, 0.2807



61.3672, 0.3761, 0.3114

# Triad

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



61.3672, 0.3336, 0.2807



61.3672, 0.3738, 0.4062



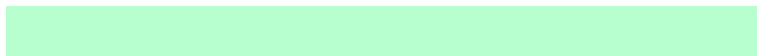
61.3672, 0.2320, 0.3001

# Complementary

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



61.3672, 0.3336, 0.2807



86.1965, 0.2966, 0.3828

# 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.



61.3672, 0.2516, 0.3435



61.3672, 0.3336, 0.2807



61.3672, 0.3327, 0.4093

# Square

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



61.3672, 0.3336, 0.2807



61.3672, 0.3995, 0.3821



61.3672, 0.2880, 0.3857



61.3672, 0.2321, 0.2694



# Rectangle

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



61.3672, 0.3336, 0.2807



61.3672, 0.3952, 0.3353



61.3672, 0.2880, 0.3857



61.3672, 0.2364, 0.3137

# Sweetspot

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



61.3700, 0.3336, 0.2807



87.2493, 0.3178, 0.3156



54.7021, 0.2796, 0.2516



18.1943, 0.3188, 0.3131



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.



61.3700, 0.3336, 0.2807



55.9153, 0.3386, 0.2715



59.5781, 0.3626, 0.3156



18.1943, 0.3188, 0.3131



12.7007, 0.4241, 0.2110



1.2567, 0.4093, 0.2028



# Inverse Universe

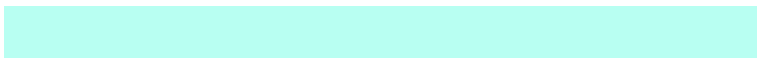
The Inverse Universe completely reimagines the original color for something new.



61.3700, 0.3336, 0.2807



55.9153, 0.3386, 0.2715



88.0988, 0.2785, 0.3430



18.1943, 0.3188, 0.3131



12.7007, 0.4241, 0.2110



1.2567, 0.4093, 0.2028



# Previews

## White Background



This preview shows how the Yxy color 61.3672, 0.3336, 0.2807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

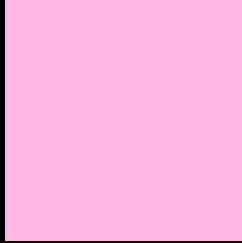
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.3672, 0.3336, 0.2807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

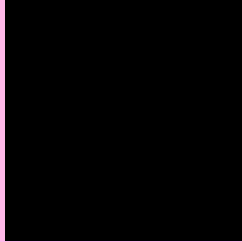
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.3672, 0.3336, 0.2807**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.3672, 0.3336, 0.2807.



This preview shows how white text looks on a background with the Yxy color 61.3672, 0.3336, 0.2807.

# 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

61.3672, 0.3336, 0.2807

### Protanopia

61.6486, 0.2805, 0.2830

### Deuteranopia

61.4128, 0.3036, 0.2968



## Tritanopia

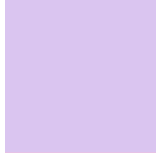
61.2641, 0.3524, 0.3134

# Trichromacy



## Original Color

61.3672, 0.3336, 0.2807



## Protanomaly

61.1292, 0.2983, 0.2823



## Deuteranomaly

61.1197, 0.3145, 0.2904



## Tritanomaly

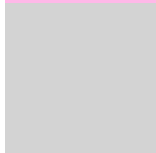
61.0911, 0.3453, 0.3011

# Monochromacy



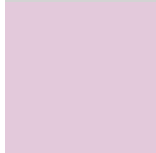
## Original Color

61.3672, 0.3336, 0.2807



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

63.2187, 0.3198, 0.3094

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.3672, 0.3336, 0.2807 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, 184, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 232)  
}
```

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, 184, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 61.3672, 0.3336, 0.2807 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, 184, 232) }
```

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

```
.border{ border-color:rgb(255, 184, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.3672, 0.3336, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 232) }
```

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

```
.background{ background-color: rgb(255,  
184, 232) }
```

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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