

# Converting Colors

$Yxy(61.7238, 0.3584, 0.3165)$

Have a look what the booklet for  
Yxy(61.7238, 0.3584, 0.3165)  
contains.

<b>Yxy(61.8722, 0.3582, 0.3167)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.8722, 0.3582, 0.3167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDC9
RGB	255, 189, 201
RGB Percent	100%, 74%, 79%
CMY	0.0000, 0.2588, 0.2118
CMYK	0.00, 0.26, 0.21, 0.00
HSL	349°, 100%, 87%
HSV	349°, 26%, 100%
XYZ	69.9799, 61.8722, 63.5133
YIQ	210.1020, 35.4840, 17.7240

# Conversions

## Conversions Part 2

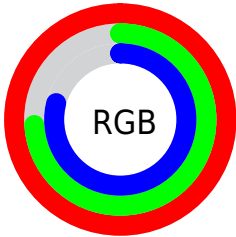
Format	Color
R <sub>Y</sub> B	255, 189, 201
Decimal	16760265
CIE Lab	82.85, 25.43, 3.31
CIE LCh	83, 25.647, 7.426
Yxy	61.8722, 0.3582, 0.3167
Android (android.graphics.Color)	4294950345 (0xFFFFBDC9)
YUV	210.1020, -4.4873, 39.3755
Hunter-Lab	78.6589, 21.1517, 7.1874

# Details

The Yxy color **61.8722, 0.3582, 0.3167** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.8103, 0.2807, 0.3418**, and the grayscale version is **64.5336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **31.3048, 0.3697, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **50.9355, 0.3836, 0.3117**, and if you desaturate by 10%, it is **74.8766, 0.3376, 0.3217**.

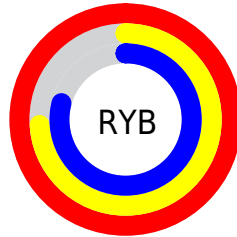
# Distribution



Red (100%)

Green (74%)

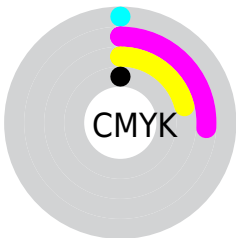
Blue (79%)



Red (100%)

Yellow (74%)

Blue (79%)

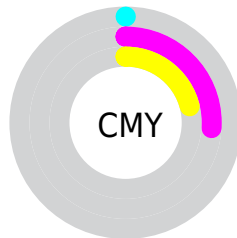


Cyan (0%)

Magenta (26%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8722, 0.3582, 0.3167 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 61.8722, 0.3582, 0.3167 by changing the saturation by 10% instead.




 61.8722, 0.3582,  
0.3167

 61.8722, 0.3582,  
0.3167


431.4648, 0.3364,  
0.3228

 44.9294, 0.3634,  
0.3152


 107.5408, 0.3505,  
0.3189

 31.4019, 0.3698,  
0.3133


137.0354, 0.3476,  
0.3197

 20.9050, 0.3782,  
0.3109


171.4828, 0.3450,  
0.3204

 13.0546, 0.3894,  
0.3075

211.2673, 0.3428,  
0.3210

 7.4662, 0.4051,  
0.3027

256.7734, 0.3409,  
0.3215

 3.7553, 0.4288,  
0.2952

308.3854, 0.3393,

 1.5376, 0.4684,

0.3220

0.2820

366.4877, 0.3378,  
0.3224

0.3150, 0.6840,  
0.2335

0.0000, 0.0000,  
0.0000

61.8722, 0.3582,  
0.3167

61.8722, 0.3582,  
0.3167

50.9355, 0.3836,  
0.3117

74.8766, 0.3376,  
0.3217

41.9515, 0.4144,  
0.3071

90.0387, 0.3209,  
0.3264

34.8072, 0.4508,  
0.3034

99.9998, 0.3127,  
0.3290

29.3745, 0.4917,  
0.3016

■ 25.5088, 0.5343,  
0.3024

■ 23.0412, 0.5742,  
0.3065

■ 21.7634, 0.6058,  
0.3136

■ 21.4599, 0.6160,  
0.3167

# Harmonies

## Analogous

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



61.8722, 0.3282, 0.2935



61.8722, 0.3582, 0.3167



61.8722, 0.3757, 0.3436

# Triad

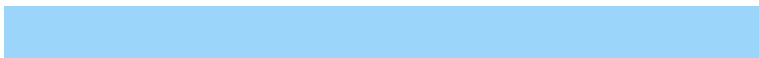
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.8722, 0.3582, 0.3167



61.8722, 0.3278, 0.3856



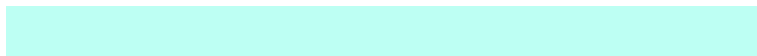
61.8722, 0.2535, 0.2861

# Complementary

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



61.8722, 0.3582, 0.3167



88.8103, 0.2807, 0.3418

# 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.



61.8722, 0.2536, 0.3090



61.8722, 0.3582, 0.3167



61.8722, 0.2953, 0.3688

# Square

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



61.8722, 0.3582, 0.3167



61.8722, 0.3572, 0.3848



61.8722, 0.2684, 0.3397



61.8722, 0.2683, 0.2758



# Rectangle

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



61.8722, 0.3582, 0.3167



61.8722, 0.3775, 0.3609



61.8722, 0.2684, 0.3397



61.8722, 0.2518, 0.2925

# Sweetspot

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



61.8751, 0.3582, 0.3167



86.6390, 0.3242, 0.3254



62.6550, 0.3066, 0.2625



18.0410, 0.3266, 0.3247



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.



61.8751, 0.3582, 0.3167



56.0228, 0.3706, 0.3141



70.9802, 0.3629, 0.3507



18.0410, 0.3266, 0.3247



11.2288, 0.6126, 0.3148



1.1072, 0.5837, 0.2989



# Inverse Universe

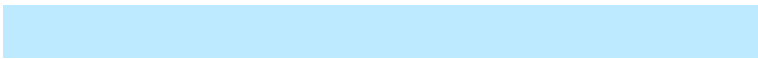
The Inverse Universe completely reimagines the original color for something new.



61.8751, 0.3582, 0.3167



56.0228, 0.3706, 0.3141



76.9430, 0.2726, 0.3062



18.0410, 0.3266, 0.3247



11.2288, 0.6126, 0.3148



1.1072, 0.5837, 0.2989



# Previews

## White Background



This preview shows how the Yxy color 61.8722, 0.3582, 0.3167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

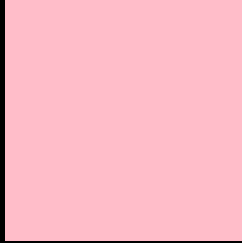
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8722, 0.3582, 0.3167 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 61.8722, 0.3582, 0.3167**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8722, 0.3582, 0.3167.



This preview shows how white text looks on a background with the Yxy color 61.8722, 0.3582, 0.3167.

# 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

61.8722, 0.3582, 0.3167

### Protanopia

62.3511, 0.3122, 0.3244

### Deuteranopia

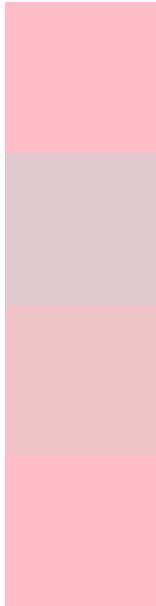
62.0901, 0.3365, 0.3302



## Tritanopia

61.9670, 0.3565, 0.3146

# Trichromacy



## Original Color

61.8722, 0.3582, 0.3167

## Protanomaly

61.9823, 0.3280, 0.3213

## Deuteranomaly

61.8271, 0.3437, 0.3248

## Tritanomaly

61.9195, 0.3574, 0.3157

# Monochromacy



## Original Color

61.8722, 0.3582, 0.3167

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

62.9148, 0.3278, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8722, 0.3582, 0.3167 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, 189, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 201)  
}
```

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, 189, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8722, 0.3582, 0.3167 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, 189, 201) }
```

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

```
.border{ border-color:rgb(255, 189, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8722, 0.3582, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 201) }
```

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

```
.background{ background-color: rgb(255,  
189, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor