

# Converting Colors

$Y_{xy}(59.5452, 0.3602, 0.3121)$

Have a look what the booklet for  
Yxy(59.5452, 0.3602, 0.3121)  
contains.

<b>Yxy(59.7111, 0.3601, 0.3125)</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(59.7111, 0.3601, 0.3125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8C8
RGB	255, 184, 200
RGB Percent	100%, 72%, 78%
CMY	0.0000, 0.2784, 0.2156
CMYK	0.00, 0.28, 0.22, 0.00
HSL	346°, 100%, 86%
HSV	346°, 28%, 100%
XYZ	68.8063, 59.7111, 62.5581
YIQ	207.0530, 37.1800, 20.0280

# Conversions

## Conversions Part 2

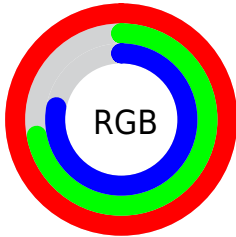
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 184, 200
Decimal	16758984
CIE Lab	81.68, 27.91, 2.15
CIE LCh	82, 27.996, 4.402
Yxy	59.7111, 0.3601, 0.3125
Android (android.graphics.Color)	4294949064 (0xFFFFB8C8)
YUV	207.0530, -3.4771, 42.0495
Hunter-Lab	77.2730, 23.7144, 6.0915

# Details

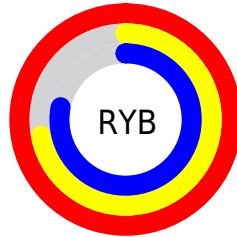
The Yxy color **59.7111, 0.3601, 0.3125** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.9375, 0.2800, 0.3463**, and the grayscale version is **62.4400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **29.9109, 0.3725, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **49.1927, 0.3850, 0.3063**, and if you desaturate by 10%, it is **72.2636, 0.3398, 0.3187**.

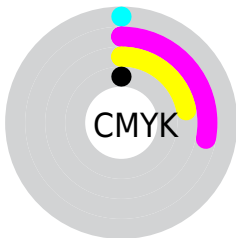
# Distribution



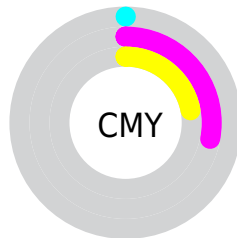
- Red (100%)
- Green (72%)
- Blue (78%)



- Red (100%)
- Yellow (72%)
- Blue (78%)



- Cyan (0%)
- Magenta (28%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (28%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7111, 0.3601, 0.3125 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 59.7111, 0.3601, 0.3125 by changing the saturation by 10% instead.





 59.7111, 0.3601,  
0.3125

 59.7111, 0.3601,  
0.3125


423.5321, 0.3373,  
0.3206

 43.1858, 0.3655,  
0.3106


 104.4105, 0.3520,  
0.3154

 30.0309, 0.3723,  
0.3081

133.3533, 0.3489,  
0.3165

 19.8621, 0.3812,  
0.3049


167.2042, 0.3463,  
0.3174

 12.2948, 0.3930,  
0.3005

206.3474, 0.3440,  
0.3182

 6.9448, 0.4098,  
0.2943

251.1674, 0.3420,  
0.3189

 3.4276, 0.4353,  
0.2846

302.0486, 0.3403,

 1.3588, 0.4782,

0.3195

0.2678

359.3754, 0.3387,  
0.3201

0.1861, 0.7826,  
0.1697

0.0000, 0.0000,  
0.0000

59.7111, 0.3601,  
0.3125

59.7111, 0.3601,  
0.3125

49.1927, 0.3850,  
0.3063

72.2636, 0.3398,  
0.3187

40.5929, 0.4150,  
0.3007

86.9410, 0.3234,  
0.3246

33.7974, 0.4501,  
0.2963

99.9988, 0.3127,  
0.3290

28.6764, 0.4893,  
0.2941

■ 25.0823, 0.5300,  
0.2952

■ 22.8418, 0.5681,  
0.3002

■ 21.7242, 0.5990,  
0.3086

■ 21.5597, 0.6047,  
0.3105

# Harmonies

## Analogous

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



59.7111, 0.3260, 0.2880



59.7111, 0.3601, 0.3125



59.7111, 0.3813, 0.3418

# Triad

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



59.7111, 0.3601, 0.3125



59.7111, 0.3327, 0.3927



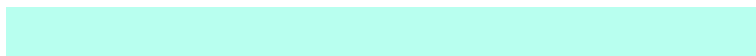
59.7111, 0.2470, 0.2836

# Complementary

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



59.7111, 0.3601, 0.3125



87.9375, 0.2800, 0.3463

# 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.



59.7111, 0.2486, 0.3098



59.7111, 0.3601, 0.3125



59.7111, 0.2968, 0.3759

# Square

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



59.7111, 0.3601, 0.3125



59.7111, 0.3645, 0.3894



59.7111, 0.2664, 0.3443



59.7111, 0.2615, 0.2710



# Rectangle

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



59.7111, 0.3601, 0.3125



59.7111, 0.3846, 0.3611



59.7111, 0.2664, 0.3443



59.7111, 0.2457, 0.2909

# Sweetspot

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



59.7139, 0.3601, 0.3125



86.6919, 0.3236, 0.3245



59.7549, 0.3033, 0.2567



18.0542, 0.3259, 0.3237



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.



59.7139, 0.3601, 0.3125



54.0399, 0.3723, 0.3093



67.4016, 0.3686, 0.3488



18.0542, 0.3259, 0.3237



11.2844, 0.6009, 0.3084



1.1144, 0.5701, 0.2914



# Inverse Universe

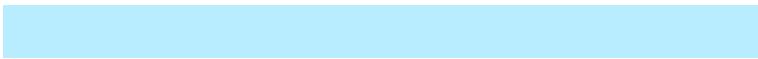
The Inverse Universe completely reimagines the original color for something new.



59.7139, 0.3601, 0.3125



54.0399, 0.3723, 0.3093



77.4384, 0.2700, 0.3082



18.0542, 0.3259, 0.3237



11.2844, 0.6009, 0.3084



1.1144, 0.5701, 0.2914



# Previews

## White Background



This preview shows how the Yxy color 59.7111, 0.3601, 0.3125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

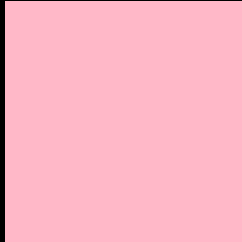
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7111, 0.3601, 0.3125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

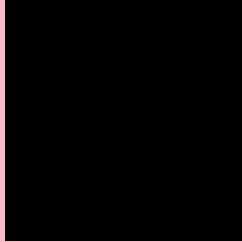
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.7111, 0.3601, 0.3125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.7111, 0.3601, 0.3125.



This preview shows how white text looks on a background with the Yxy color 59.7111, 0.3601, 0.3125.

# 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

59.7111, 0.3601, 0.3125

### Protanopia

59.9233, 0.3086, 0.3185

### Deuteranopia

60.0173, 0.3345, 0.3279



## Tritanopia

59.6182, 0.3618, 0.3146

# Trichromacy



## Original Color

59.7111, 0.3601, 0.3125



## Protanomaly

59.2232, 0.3262, 0.3156



## Deuteranomaly

59.6557, 0.3435, 0.3214



## Tritanomaly

59.6645, 0.3610, 0.3136

# Monochromacy



## Original Color

59.7111, 0.3601, 0.3125



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

61.0538, 0.3288, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7111, 0.3601, 0.3125 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7111, 0.3601, 0.3125 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, 200) }
```

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

```
.border{ border-color:rgb(255, 184, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7111, 0.3601, 0.3125 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
184, 200) }
```

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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