

# Converting Colors

$Y_{xy}(59.7653, 0.3396, 0.2844)$

Have a look what the booklet for  
Yxy(59.7653, 0.3396, 0.2844)  
contains.

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# **Color**

**Yxy(59.7440, 0.3396, 0.2844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB5E1
RGB	255, 181, 225
RGB Percent	100%, 71%, 88%
CMY	0.0002, 0.2901, 0.1177
CMYK	0.00, 0.29, 0.12, 0.00
HSL	324°, 100%, 85%
HSV	324°, 29%, 100%
XYZ	71.3399, 59.7440, 78.9864
YIQ	208.1420, 29.9800, 29.3720

# Conversions

## Conversions Part 2

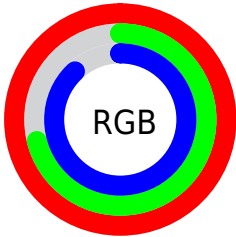
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 181, 225
Decimal	16758241
CIE <sub>Lab</sub>	81.70, 33.28, -11.26
CIE <sub>LCh</sub>	82, 35.133, 341.309
Yxy	59.7440, 0.3396, 0.2844
Android (android.graphics.Color)	4294948321 (0xFFFFB5E1)
YUV	208.1420, 8.3110, 41.0945
Hunter-Lab	77.2942, 29.4843, -6.4821

# Details

The Yxy color **59.7440, 0.3396, 0.2844** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.0247, 0.2928, 0.3784**, and the grayscale version is **63.1044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **29.9513, 0.3454, 0.2732** is the 20% darker color. If you saturate the color by 10%, you get **49.7603, 0.3523, 0.2687**, and if you desaturate by 10%, it is **71.6645, 0.3288, 0.3003**.

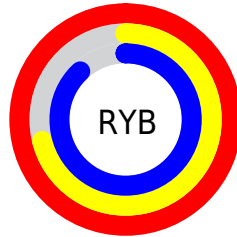
# Distribution



Red (100%)

Green (71%)

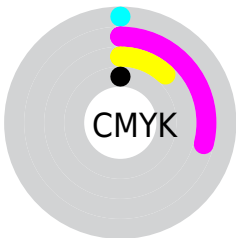
Blue (88%)



Red (100%)

Yellow (71%)

Blue (88%)

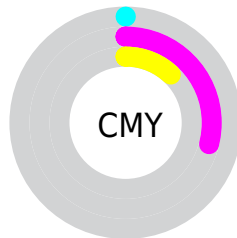


Cyan (0%)

Magenta (29%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7440, 0.3396, 0.2844 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 59.7440, 0.3396, 0.2844 by changing the saturation by 10% instead.




 59.7440, 0.3396,  
0.2844

 59.7440, 0.3396,  
0.2844

423.6535, 0.3271,  
0.3050

 43.2123, 0.3425,  
0.2797


 104.4582, 0.3353,  
0.2915

 30.0517, 0.3460,  
0.2740


133.4096, 0.3336,  
0.2943

 19.8779, 0.3505,  
0.2667


167.2696, 0.3321,  
0.2967

 12.3063, 0.3564,  
0.2572

206.4226, 0.3309,  
0.2988

 6.9526, 0.3644,  
0.2444

251.2532, 0.3298,  
0.3006

 3.4325, 0.3760,  
0.2262


302.1456, 0.3288,

 1.3615, 0.3942,


0.3022

0.1983

359.4842, 0.3279,  
0.3037

 0.1881, 0.4587,  
0.0863


 0.0000, 0.0000,  
0.0000


 59.7440, 0.3396,  
0.2844


 59.7440, 0.3396,  
0.2844

 49.7603, 0.3523,  
0.2687


 71.6645, 0.3288,  
0.3003

 41.6011, 0.3669,  
0.2538

 85.6100, 0.3196,  
0.3157

 35.1551, 0.3834,  
0.2408

99.9921, 0.3127,  
0.3290

 30.2951, 0.4014,  
0.2310

■ 26.8764, 0.4203,  
0.2255

■ 24.7270, 0.4393,  
0.2252

■ 23.5940, 0.4578,  
0.2300

■ 23.5044, 0.4596,  
0.2306

# Harmonies

## Analogous

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



59.7440, 0.2937, 0.2631



59.7440, 0.3396, 0.2844



59.7440, 0.3803, 0.3161

# Triad

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



59.7440, 0.3396, 0.2844



59.7440, 0.3688, 0.4077



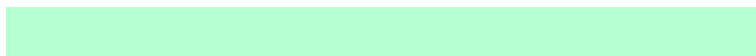
59.7440, 0.2312, 0.2953

# Complementary

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



59.7440, 0.3396, 0.2844



86.0247, 0.2928, 0.3784

# 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.



59.7440, 0.2483, 0.3374



59.7440, 0.3396, 0.2844



59.7440, 0.3267, 0.4073

# Square

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



59.7440, 0.3396, 0.2844



59.7440, 0.3970, 0.3859



59.7440, 0.2826, 0.3806



59.7440, 0.2339, 0.2669



# Rectangle

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



59.7440, 0.3396, 0.2844



59.7440, 0.3974, 0.3401



59.7440, 0.2826, 0.3806



59.7440, 0.2347, 0.3083

# Sweetspot

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



59.7467, 0.3396, 0.2844



85.6363, 0.3196, 0.3157



54.0671, 0.2824, 0.2490



17.8675, 0.3209, 0.3135



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.



59.7467, 0.3396, 0.2844



53.5457, 0.3470, 0.2749



57.9610, 0.3709, 0.3214



18.1683, 0.3201, 0.3150



12.3165, 0.4567, 0.2290



1.2209, 0.4369, 0.2181



# Inverse Universe

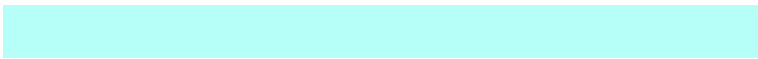
The Inverse Universe completely reimagines the original color for something new.



59.7467, 0.3396, 0.2844



53.5457, 0.3470, 0.2749



88.0712, 0.2742, 0.3369



18.1683, 0.3201, 0.3150



12.3165, 0.4567, 0.2290



1.2209, 0.4369, 0.2181



# Previews

## White Background



This preview shows how the Yxy color 59.7440, 0.3396, 0.2844 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

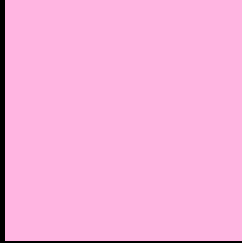
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7440, 0.3396, 0.2844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

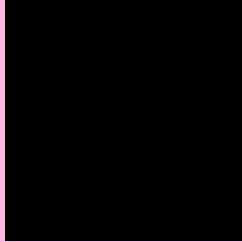
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.7440, 0.3396, 0.2844**

## Background



This preview shows how black text looks on a background with the Yxy color 59.7440, 0.3396, 0.2844.

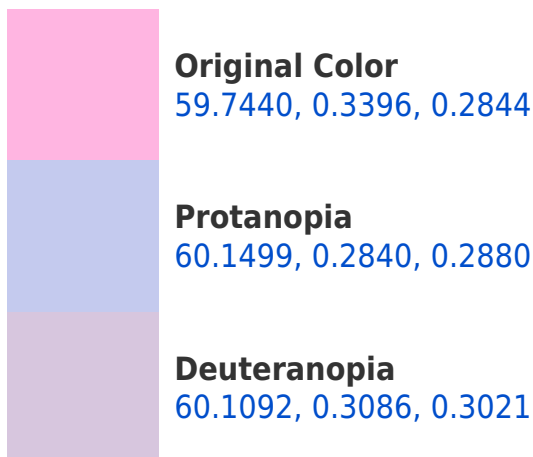


This preview shows how white text looks on a background with the Yxy color 59.7440, 0.3396, 0.2844.

# 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





## Tritanopia

59.5635, 0.3574, 0.3134

# Trichromacy



## Original Color

59.7440, 0.3396, 0.2844



## Protanomaly

59.2185, 0.3024, 0.2860



## Deuteranomaly

59.8500, 0.3199, 0.2954



## Tritanomaly

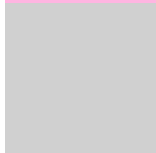
59.7671, 0.3508, 0.3032

# Monochromacy



## Original Color

59.7440, 0.3396, 0.2844



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

61.2508, 0.3222, 0.3113

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7440, 0.3396, 0.2844 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7440, 0.3396, 0.2844 is called "border". The border property can be set on classes, ids or directly on the HTML element.

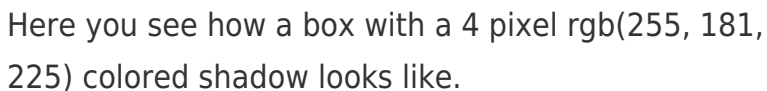
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 181, 225) }
```

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

```
.border{ border-color:rgb(255, 181, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 181, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 181, 225); box-shadow:4px 4px 4px 4px rgb(255, 181, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7440, 0.3396, 0.2844 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
181, 225) }
```

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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