

# Converting Colors

$Y_{xy}(59.2209, 0.3784, 0.3360)$

Have a look what the booklet for  
Yxy(59.2209, 0.3784, 0.3360)  
contains.

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# Color

**Yxy(59.2126, 0.3781, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB9B3
RGB	255, 185, 179
RGB Percent	100%, 73%, 70%
CMY	0.0000, 0.2745, 0.2981
CMYK	0.00, 0.27, 0.30, 0.00
HSL	5°, 100%, 85%
HSV	5°, 30%, 100%
XYZ	66.7311, 59.2126, 50.5469
YIQ	205.2460, 43.6460, 12.9740

# Conversions

## Conversions Part 2

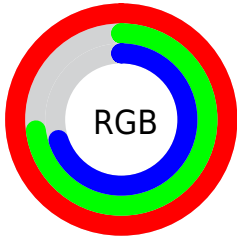
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 186, 179
Decimal	16759219
CIE Lab	81.41, 24.53, 13.08
CIE LCh	81, 27.801, 28.077
Yxy	59.2126, 0.3781, 0.3355
Android (android.graphics.Color)	4294949299 (0xFFFFB9B3)
YUV	205.2460, -12.9393, 43.6343
Hunter-Lab	76.9497, 20.1339, 14.9183

# Details

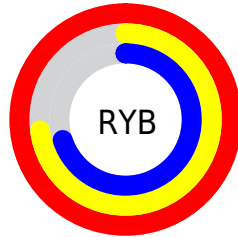
The Yxy color **59.2126, 0.3781, 0.3355** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.5402, 0.2688, 0.3224**, and the grayscale version is **61.2742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1688, 0.3257, 0.3349**, and **29.6093, 0.3961, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **49.2460, 0.4106, 0.3378**, and if you desaturate by 10%, it is **70.9874, 0.3514, 0.3332**.

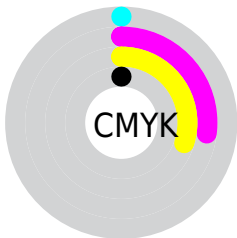
# Distribution



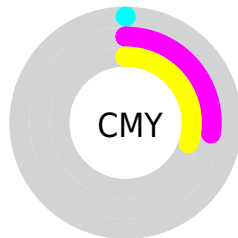
- Red (100%)
- Green (73%)
- Blue (70%)



- Red (100%)
- Yellow (73%)
- Blue (70%)



- Cyan (0%)
- Magenta (27%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2126, 0.3781, 0.3355 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 59.2126, 0.3781, 0.3355 by changing the saturation by 10% instead.





 59.2126, 0.3781,  
0.3355

 59.2126, 0.3781,  
0.3355


421.6893, 0.3464,  
0.3332

 42.7843, 0.3857,  
0.3358


 103.6866, 0.3668,  
0.3348

 29.7159, 0.3953,  
0.3362


132.5011, 0.3625,  
0.3345

 19.6230, 0.4077,  
0.3364


166.2130, 0.3588,  
0.3343

 12.1213, 0.4244,  
0.3363

205.2069, 0.3557,  
0.3340

 6.8264, 0.4480,  
0.3355

249.8671, 0.3529,  
0.3338

 3.3537, 0.4837,  
0.3328


300.5779, 0.3505,

 1.3191, 0.5537,


0.3335

0.3308


357.7239, 0.3483,  
0.3333

 0.1559, 0.8273,  
0.1727


 0.0000, 0.0000,  
0.0000


 59.2126, 0.3781,  
0.3355

 59.2126, 0.3781,  
0.3355

 49.2460, 0.4106,  
0.3378


 70.9874, 0.3514,  
0.3332

 41.0048, 0.4493,  
0.3397

 84.6616, 0.3298,  
0.3310

 34.3887, 0.4933,  
0.3410

100.0000, 0.3127,  
0.3290

 29.2901, 0.5396,  
0.3412

■ 25.5883, 0.5829,  
0.3399

■ 23.1441, 0.6163,  
0.3369

■ 21.7839, 0.6354,  
0.3335

■ 21.7671, 0.6357,  
0.3335

# Harmonies

## Analogous

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



59.2126, 0.3535, 0.3068



59.2126, 0.3781, 0.3355



59.2126, 0.3839, 0.3643

# Triad

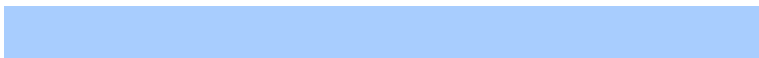
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.2126, 0.3781, 0.3355



59.2126, 0.3043, 0.3808



59.2126, 0.2574, 0.2726

# Complementary

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



59.2126, 0.3781, 0.3355



84.5402, 0.2688, 0.3224

# 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.



59.2126, 0.2462, 0.2882



59.2126, 0.3781, 0.3355



59.2126, 0.2721, 0.3515

# Square

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



59.2126, 0.3781, 0.3355



59.2126, 0.3400, 0.3933



59.2126, 0.2513, 0.3167



59.2126, 0.2831, 0.2717



# Rectangle

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



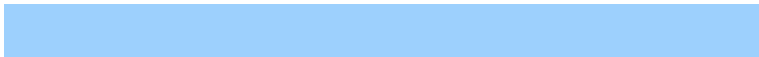
59.2126, 0.3781, 0.3355



59.2126, 0.3763, 0.3801



59.2126, 0.2513, 0.3167



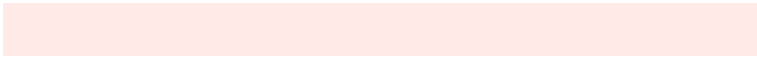
59.2126, 0.2519, 0.2762

# Sweetspot

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



59.2102, 0.3781, 0.3355



85.8591, 0.3283, 0.3308



60.3888, 0.3200, 0.2591



17.9206, 0.3311, 0.3311



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.



59.2102, 0.3781, 0.3355



52.8371, 0.3975, 0.3369



76.7864, 0.3670, 0.3732



18.2180, 0.3293, 0.3309



11.4545, 0.6344, 0.3345



1.1912, 0.6221, 0.3442



# Inverse Universe

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



84.5402, 0.2688, 0.3224



81.9973, 0.2609, 0.3208



63.8481, 0.2641, 0.2803



20.2207, 0.2980, 0.3271



34.8651, 0.2178, 0.3040



3.4647, 0.2186, 0.3071



# Previews

## White Background



This preview shows how the Yxy color 59.2126, 0.3781, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

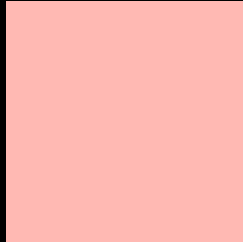
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.2126, 0.3781, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

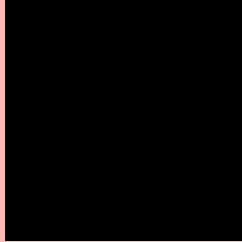
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.2126, 0.3781, 0.3355**

## Background



This preview shows how black text looks on a background with the Yxy color 59.2126, 0.3781, 0.3355.



This preview shows how white text looks on a background with the Yxy color 59.2126, 0.3781, 0.3355.

# 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

59.2126, 0.3781, 0.3355

### Protanopia

59.5735, 0.3293, 0.3455

### Deuteranopia

59.1935, 0.3565, 0.3494



## Tritanopia

59.1582, 0.3629, 0.3146

# Trichromacy



**Original Color**

59.2126, 0.3781, 0.3355

**Protanomaly**

59.1514, 0.3457, 0.3416

**Deuteranomaly**

59.0012, 0.3644, 0.3434

**Tritanomaly**

59.2587, 0.3688, 0.3229

# Monochromacy



**Original Color**

59.2126, 0.3781, 0.3355

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

60.0617, 0.3342, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2126, 0.3781, 0.3355 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, 185, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 179)  
}
```

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, 185, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2126, 0.3781, 0.3355 is called "border". The border property can be set on classes, ids or directly on the HTML element.

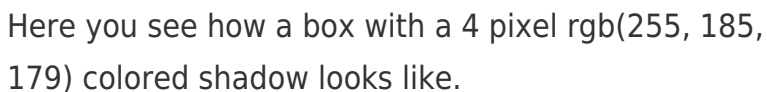
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 185, 179) }
```

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

```
.border{ border-color:rgb(255, 185, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 185, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 185, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 185, 179); box-shadow:4px 4px 4px 4px rgb(255, 185, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2126, 0.3781, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 179) }
```

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

```
.background{ background-color: rgb(255,  
185, 179) }
```

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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