

# Converting Colors

$Y_{xy}(69.2509, 0.4136, 0.3337)$

Have a look what the booklet for  
Yxy(69.2509, 0.4136, 0.3337)  
contains.

<b>Yxy(59.7140, 0.3760, 0.3344)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(59.7140, 0.3760, 0.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAB5
RGB	255, 186, 181
RGB Percent	100%, 73%, 71%
CMY	0.0000, 0.2706, 0.2901
CMYK	0.00, 0.27, 0.29, 0.00
HSL	4°, 100%, 85%
HSV	4°, 29%, 100%
XYZ	67.1425, 59.7140, 51.7140
YIQ	206.0610, 42.7290, 13.0730

# Conversions

## Conversions Part 2

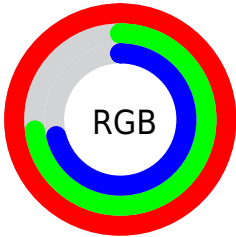
Format	Color
R <sub>Y</sub> B	255, 186, 181
Decimal	16759477
CIE Lab	81.68, 24.26, 12.37
CIE LCh	82, 27.232, 27.026
Yxy	59.7140, 0.3760, 0.3344
Android (android.graphics.Color)	4294949557 (0xFFFFBAB5)
YUV	206.0610, -12.3551, 42.9195
Hunter-Lab	77.2748, 19.8641, 14.4142

# Details

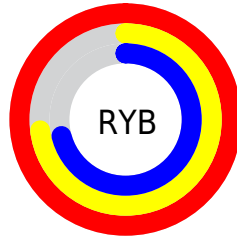
The Yxy color **59.7140, 0.3760, 0.3344** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **85.4297, 0.2700, 0.3235**, and the grayscale version is **61.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8787, 0.3244, 0.3339**, and **29.9314, 0.3932, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **49.5619, 0.4083, 0.3363**, and if you desaturate by 10%, it is **71.7288, 0.3496, 0.3324**.

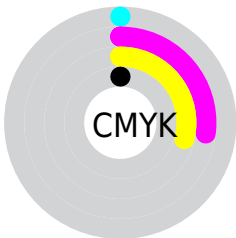
# Distribution



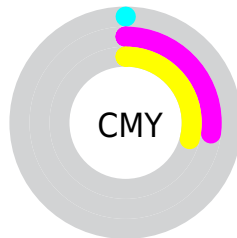
- Red (100%)
- Green (73%)
- Blue (71%)



- Red (100%)
- Yellow (73%)
- Blue (71%)



- Cyan (0%)
- Magenta (27%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7140, 0.3760, 0.3344 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 59.7140, 0.3760, 0.3344 by changing the saturation by 10% instead.




 59.7140, 0.3760,  
0.3344

 59.7140, 0.3760,  
0.3344


423.5428, 0.3454,  
0.3325

 43.1882, 0.3833,  
0.3346


 104.4147, 0.3651,  
0.3339

 30.0328, 0.3926,  
0.3348


133.3583, 0.3609,  
0.3337

 19.8635, 0.4045,  
0.3349


167.2100, 0.3574,  
0.3334

 12.2958, 0.4206,  
0.3347

206.3541, 0.3543,  
0.3332

 6.9455, 0.4434,  
0.3338

251.1750, 0.3517,  
0.3330

 3.4280, 0.4777,  
0.3310

302.0572, 0.3493,

 1.3591, 0.5420,

0.3329

0.3273

359.3850, 0.3472,  
0.3327

0.1863, 0.8051,  
0.1949

0.0000, 0.0000,  
0.0000

59.7140, 0.3760,  
0.3344

59.7140, 0.3760,  
0.3344

49.5619, 0.4083,  
0.3363

71.7288, 0.3496,  
0.3324

41.1745, 0.4468,  
0.3380

85.6876, 0.3283,  
0.3306

34.4524, 0.4909,  
0.3392

100.0000, 0.3127,  
0.3290

29.2846, 0.5376,  
0.3394

■ 25.5464, 0.5815,  
0.3384

■ 23.0938, 0.6157,  
0.3359

■ 21.7490, 0.6352,  
0.3329

■ 21.6661, 0.6365,  
0.3328

# Harmonies

## Analogous

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



59.7140, 0.3514, 0.3064



59.7140, 0.3760, 0.3344



59.7140, 0.3824, 0.3626

# Triad

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



59.7140, 0.3760, 0.3344



59.7140, 0.3057, 0.3802



59.7140, 0.2580, 0.2742

# Complementary

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



59.7140, 0.3760, 0.3344



85.4297, 0.2700, 0.3235

# 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.



59.7140, 0.2475, 0.2900



59.7140, 0.3760, 0.3344



59.7140, 0.2740, 0.3522

# Square

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



59.7140, 0.3760, 0.3344



59.7140, 0.3406, 0.3919



59.7140, 0.2531, 0.3182



59.7140, 0.2827, 0.2727



# Rectangle

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



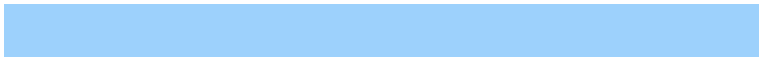
59.7140, 0.3760, 0.3344



59.7140, 0.3754, 0.3783



59.7140, 0.2531, 0.3182



59.7140, 0.2528, 0.2779

# Sweetspot

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



59.7157, 0.3760, 0.3344



85.7044, 0.3283, 0.3306



61.2229, 0.3198, 0.2609



17.8829, 0.3311, 0.3308



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.



59.7157, 0.3760, 0.3344



53.4173, 0.3946, 0.3356



77.3418, 0.3653, 0.3719



18.1833, 0.3293, 0.3307



11.3935, 0.6353, 0.3337



1.1748, 0.6247, 0.3422



# Inverse Universe

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



85.4297, 0.2700, 0.3235



83.0460, 0.2623, 0.3222



64.6745, 0.2655, 0.2818



20.2596, 0.2980, 0.3273



35.7626, 0.2188, 0.3078



3.5426, 0.2196, 0.3104



# Previews

## White Background



This preview shows how the Yxy color 59.7140, 0.3760, 0.3344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

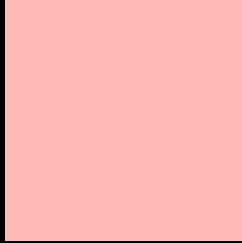
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7140, 0.3760, 0.3344 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 59.7140, 0.3760, 0.3344**

## Background



This preview shows how black text looks on a background with the Yxy color 59.7140, 0.3760, 0.3344.



This preview shows how white text looks on a background with the Yxy color 59.7140, 0.3760, 0.3344.

# 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

59.7140, 0.3760, 0.3344

### Protanopia

60.1312, 0.3276, 0.3443

### Deuteranopia

59.8903, 0.3555, 0.3481



## Tritanopia

59.6182, 0.3618, 0.3146

# Trichromacy



## Original Color

59.7140, 0.3760, 0.3344

## Protanomaly

59.6891, 0.3439, 0.3404

## Deuteranomaly

59.5198, 0.3624, 0.3423

## Tritanomaly

59.7637, 0.3668, 0.3219

# Monochromacy



## Original Color

59.7140, 0.3760, 0.3344

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

60.7254, 0.3341, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7140, 0.3760, 0.3344 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, 186, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 181)  
}
```

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, 186, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7140, 0.3760, 0.3344 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, 186, 181) }
```

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

```
.border{ border-color:rgb(255, 186, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7140, 0.3760, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 181) }
```

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

```
.background{ background-color: rgb(255,  
186, 181) }
```

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