

# Converting Colors

$Y_{xy}(97.5516, 0.5128, 0.3530)$

Have a look what the booklet for  
Yxy(97.5516, 0.5128, 0.3530)  
contains.

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# Color

**Yxy(57.0800, 0.4110, 0.3720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB78E
RGB	255, 183, 142
RGB Percent	100%, 72%, 56%
CMY	0.0000, 0.2824, 0.4430
CMYK	0.00, 0.28, 0.44, 0.00
HSL	22°, 100%, 78%
HSV	22°, 44%, 100%
XYZ	63.0642, 57.0800, 33.2967
YIQ	199.8540, 56.0730, 2.5130

# Conversions

## Conversions Part 2

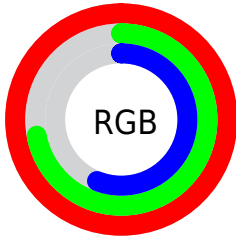
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 206, 142
Decimal	16758670
CIE Lab	80.22, 21.34, 31.16
CIE LCh	80, 37.766, 55.598
Yxy	57.0800, 0.4110, 0.3720
Android (android.graphics.Color)	4294948750 (0xFFFFB78E)
YUV	199.8540, -28.5220, 48.3630
Hunter-Lab	75.5513, 16.7827, 26.7559

# Details

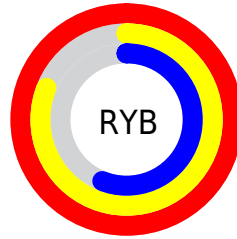
The Yxy color **57.0800, 0.4110, 0.3720** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.0858, 0.2444, 0.2803**, and the grayscale version is **57.8162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9785, 0.3511, 0.3721**, and **28.4564, 0.4365, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **50.0757, 0.4424, 0.3806**, and if you desaturate by 10%, it is **65.0306, 0.3829, 0.3622**.

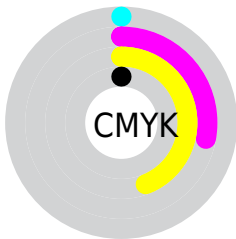
# Distribution



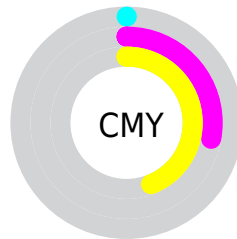
- Red (100%)
- Green (72%)
- Blue (56%)



- Red (100%)
- Yellow (81%)
- Blue (56%)



- Cyan (0%)
- Magenta (28%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (28%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0800, 0.4110, 0.3720 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 57.0800, 0.4110, 0.3720 by changing the saturation by 10% instead.





 57.0800, 0.4110,  
0.3720

 57.0800, 0.4110,  
0.3720


413.7490, 0.3634,  
0.3534

 41.0695, 0.4222,  
0.3757


 100.5819, 0.3941,  
0.3659

 28.3734, 0.4362,  
0.3800


 128.8421, 0.3877,  
0.3634

 18.6073, 0.4541,  
0.3848


161.9543, 0.3821,  
0.3612

 11.3869, 0.4774,  
0.3899

200.3028, 0.3774,  
0.3593

 6.3277, 0.5086,  
0.3944

244.2722, 0.3732,  
0.3576

 3.0453, 0.5626,  
0.4031

294.2468, 0.3695,

 1.1554, 0.6149,

0.3560

350.6109, 0.3663,  
0.3546

0.3851

0.0249, 0.9563,  
0.0437

0.0000, 0.0000,  
0.0000

57.0800, 0.4110,  
0.3720

57.0800, 0.4110,  
0.3720

50.0757, 0.4424,  
0.3806

65.0306, 0.3829,  
0.3622

43.9841, 0.4762,  
0.3870

73.9682, 0.3585,  
0.3522

38.7624, 0.5106,  
0.3899

83.9252, 0.3375,  
0.3423

34.3653, 0.5430,  
0.3880

94.9337, 0.3196,  
0.3329

■ 30.7420, 0.5704,  
0.3808

100.0000, 0.3127,  
0.3290

■ 28.9947, 0.5834,  
0.3750

# Harmonies

## Analogous

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



57.0800, 0.4011, 0.3331



57.0800, 0.4110, 0.3720



57.0800, 0.3924, 0.4043

# Triad

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



57.0800, 0.4110, 0.3720



57.0800, 0.2600, 0.3640



57.0800, 0.2685, 0.2517

# Complementary

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



57.0800, 0.4110, 0.3720



61.0858, 0.2444, 0.2803

# 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.



57.0800, 0.2361, 0.2537



57.0800, 0.4110, 0.3720



57.0800, 0.2313, 0.3147

# Square

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



57.0800, 0.4110, 0.3720



57.0800, 0.3041, 0.4045



57.0800, 0.2231, 0.2750



57.0800, 0.3153, 0.2669



# Rectangle

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



57.0800, 0.4110, 0.3720



57.0800, 0.3676, 0.4166



57.0800, 0.2231, 0.2750



57.0800, 0.2558, 0.2503

# Sweetspot

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



57.0784, 0.4110, 0.3720



85.2976, 0.3350, 0.3410



45.5454, 0.3536, 0.2547



17.7612, 0.3392, 0.3431



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.



57.0784, 0.4110, 0.3720



50.9345, 0.4381, 0.3796



84.3949, 0.3856, 0.4242



19.0652, 0.3285, 0.3377



15.4079, 0.5804, 0.3774



1.6990, 0.5588, 0.3945



# Inverse Universe

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



61.0858, 0.2444, 0.2803



55.3424, 0.2323, 0.2687



37.7619, 0.2323, 0.2109



19.3087, 0.2980, 0.3202



17.6679, 0.1904, 0.2054



1.9280, 0.1947, 0.2210



# Previews

## White Background



This preview shows how the Yxy color 57.0800, 0.4110, 0.3720 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 57.0800, 0.4110, 0.3720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

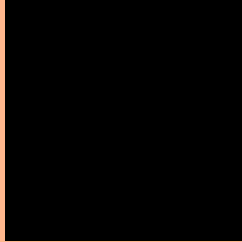
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.0800, 0.4110, 0.3720**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.0800, 0.4110, 0.3720.



This preview shows how white text looks on a background with the Yxy color 57.0800, 0.4110, 0.3720.

# 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

57.0800, 0.4110, 0.3720

### Protanopia

57.3129, 0.3631, 0.3884

### Deuteranopia

57.1596, 0.3933, 0.3856



## Tritanopia

57.2618, 0.3692, 0.3166

# Trichromacy



**Original Color**

57.0800, 0.4110, 0.3720

**Protanomaly**

56.8733, 0.3806, 0.3826

**Deuteranomaly**

57.1226, 0.3999, 0.3801

**Tritanomaly**

56.9196, 0.3850, 0.3366

# Monochromacy



**Original Color**

57.0800, 0.4110, 0.3720

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.0539, 0.3458, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.0800, 0.4110, 0.3720 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, 183, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 142)  
}
```

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, 183, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 57.0800, 0.4110, 0.3720 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, 183, 142) }
```

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

```
.border{ border-color:rgb(255, 183, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 183, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.0800, 0.4110, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 142) }
```

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

```
.background{ background-color: rgb(255,  
183, 142) }
```

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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