

# Converting Colors

$Y_{xy}(57.5273, 0.3989, 0.3576)$

Have a look what the booklet for  
Yxy(57.5273, 0.3989, 0.3576)  
contains.

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# Color

**Yxy(57.5273, 0.3989, 0.3576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB79C
RGB	255, 183, 156
RGB Percent	100%, 72%, 61%
CMY	0.0000, 0.2823, 0.3882
CMYK	0.00, 0.28, 0.39, 0.00
HSL	16°, 100%, 81%
HSV	16°, 39%, 100%
XYZ	64.1713, 57.5273, 39.1720
YIQ	201.4500, 51.5790, 6.8670

# Conversions

## Conversions Part 2

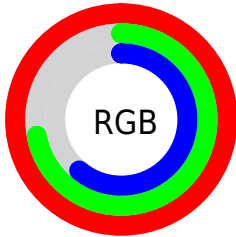
Format	Color
R <sub>YB</sub>	255, 193, 156
Decimal	16758684
CIE Lab	80.48, 22.79, 24.09
CIE LCh	80, 33.166, 46.586
Yxy	57.5273, 0.3989, 0.3576
Android (android.graphics.Color)	4294948764 (0xFFFFB79C)
YUV	201.4500, -22.4068, 46.9634
Hunter-Lab	75.8468, 18.2907, 22.4717

# Details

The Yxy color **57.5273, 0.3989, 0.3576** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.7601, 0.2541, 0.2979**, and the grayscale version is **58.8217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6962, 0.3413, 0.3569**, and **28.7209, 0.4206, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **49.6031, 0.4312, 0.3646**, and if you desaturate by 10%, it is **66.6458, 0.3710, 0.3500**.

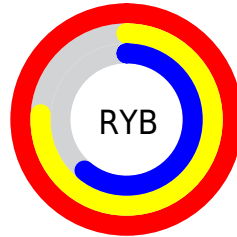
# Distribution



Red (100%)

Green (72%)

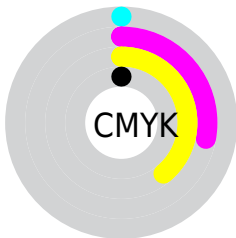
Blue (61%)



Red (100%)

Yellow (76%)

Blue (61%)

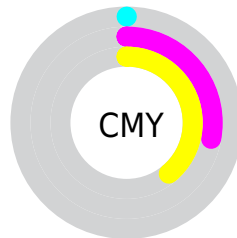


Cyan (0%)

Magenta (28%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5273, 0.3989, 0.3576 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 57.5273, 0.3989, 0.3576 by changing the saturation by 10% instead.




 57.5273, 0.3989,  
0.3576


 57.5273, 0.3989,  
0.3576


415.4222, 0.3570,  
0.3454

 41.4287, 0.4089,  
0.3600


 101.2342, 0.3840,  
0.3536

 28.6542, 0.4215,  
0.3628


 129.6113, 0.3783,  
0.3520

 18.8194, 0.4377,  
0.3660


162.8500, 0.3734,  
0.3505

 11.5399, 0.4592,  
0.3694

201.3348, 0.3692,  
0.3493

 6.4312, 0.4890,  
0.3724

245.4501, 0.3656,  
0.3481

 3.1090, 0.5326,  
0.3733

295.5801, 0.3624,

 1.1889, 0.6214,

0.3471

0.3786

352.1094, 0.3595,  
0.3462

0.0526, 0.9202,  
0.0798

0.0000, 0.0000,  
0.0000

57.5273, 0.3989,  
0.3576

57.5273, 0.3989,  
0.3576

49.6031, 0.4312,  
0.3646

66.6458, 0.3710,  
0.3500

42.8144, 0.4674,  
0.3702

76.9978, 0.3474,  
0.3424

37.1097, 0.5060,  
0.3733

88.6307, 0.3275,  
0.3351

32.4298, 0.5441,  
0.3726

99.9981, 0.3127,  
0.3290

■ 28.7090, 0.5776,  
0.3674

■ 25.8696, 0.6032,  
0.3583

■ 25.5868, 0.6058,  
0.3572

# Harmonies

## Analogous

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



57.5273, 0.3826, 0.3227



57.5273, 0.3989, 0.3576



57.5273, 0.3901, 0.3884

# Triad

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



57.5273, 0.3989, 0.3576



57.5273, 0.2773, 0.3717



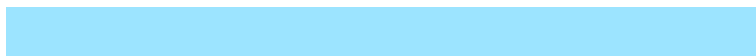
57.5273, 0.2637, 0.2593

# Complementary

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



57.5273, 0.3989, 0.3576



69.7601, 0.2541, 0.2979

# 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.



57.5273, 0.2395, 0.2665



57.5273, 0.3989, 0.3576



57.5273, 0.2468, 0.3296

# Square

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



57.5273, 0.3989, 0.3576



57.5273, 0.3186, 0.4009



57.5273, 0.2336, 0.2910



57.5273, 0.3020, 0.2684



# Rectangle

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



57.5273, 0.3989, 0.3576



57.5273, 0.3719, 0.4022



57.5273, 0.2336, 0.2910



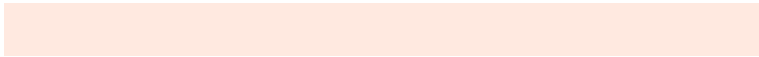
57.5273, 0.2538, 0.2598

# Sweetspot

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



57.5301, 0.3989, 0.3576



84.8003, 0.3334, 0.3373



50.6683, 0.3395, 0.2560



17.8212, 0.3360, 0.3383



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.



57.5301, 0.3989, 0.3576



50.9658, 0.4250, 0.3634



81.3106, 0.3793, 0.4055



18.7935, 0.3288, 0.3356



13.5819, 0.6030, 0.3594

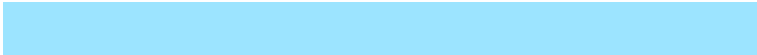


1.4949, 0.5810, 0.3769

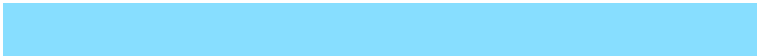


# Inverse Universe

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



69.7601, 0.2541, 0.2979



64.7819, 0.2430, 0.2901



46.5653, 0.2450, 0.2382



19.5937, 0.2980, 0.3224



22.2548, 0.1993, 0.2376



2.3490, 0.2026, 0.2493



# Previews

## White Background



This preview shows how the Yxy color 57.5273, 0.3989, 0.3576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

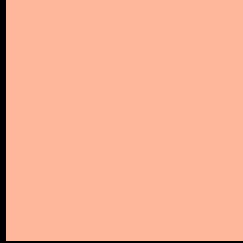
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5273, 0.3989, 0.3576 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

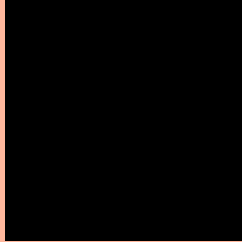
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5273, 0.3989, 0.3576**

## Background



This preview shows how black text looks on a background with the Yxy color 57.5273, 0.3989, 0.3576.



This preview shows how white text looks on a background with the Yxy color 57.5273, 0.3989, 0.3576.

# 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

57.5273, 0.3989, 0.3576

### Protanopia

57.9859, 0.3495, 0.3719

### Deuteranopia

57.6945, 0.3797, 0.3716



## Tritanopia

57.7083, 0.3680, 0.3166

# Trichromacy



## Original Color

57.5273, 0.3989, 0.3576

## Protanomaly

57.6508, 0.3672, 0.3668

## Deuteranomaly

57.6390, 0.3861, 0.3664

## Tritanomaly

57.5624, 0.3793, 0.3313

# Monochromacy



## Original Color

57.5273, 0.3989, 0.3576

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

57.4585, 0.3419, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5273, 0.3989, 0.3576 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5273, 0.3989, 0.3576 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, 156) }
```

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

```
.border{ border-color:rgb(255, 183, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5273, 0.3989, 0.3576 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
183, 156) }
```

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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