

# Converting Colors

$Y_{xy}(57.7935, 0.4273, 0.3969)$

Have a look what the booklet for  
Yxy(57.7935, 0.4273, 0.3969)  
contains.

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# Color

**Yxy(57.7339, 0.4272, 0.3966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBA78
RGB	255, 186, 120
RGB Percent	100%, 73%, 47%
CMY	0.0000, 0.2706, 0.5292
CMYK	0.00, 0.27, 0.53, 0.00
HSL	29°, 100%, 74%
HSV	29°, 53%, 100%
XYZ	62.1884, 57.7339, 25.6498
YIQ	199.1070, 62.3100, -5.8980

# Conversions

## Conversions Part 2

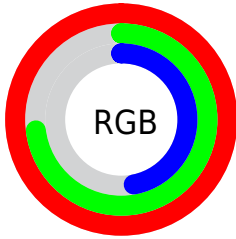
Format	Color
<a href="#">RYB</a>	255, 249, 120
Decimal	16759416
CIELab	80.59, 17.73, 43.02
CIELCh	81, 46.527, 67.598
Yxy	57.7339, 0.4272, 0.3966
Android (android.graphics.Color)	4294949496 (0xFFFFBA78)
YUV	199.1070, -38.9998, 49.0182
Hunter-Lab	75.9828, 13.1240, 33.1732

# Details

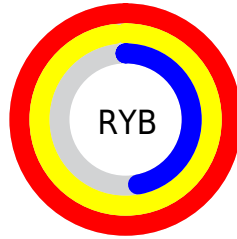
The Yxy color **57.7339, 0.4272, 0.3966** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.6228, 0.2279, 0.2466**, and the grayscale version is **57.4007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7814, 0.3652, 0.3980**, and **28.8194, 0.4540, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **51.9532, 0.4554, 0.4064**, and if you desaturate by 10%, it is **64.1861, 0.4004, 0.3846**.

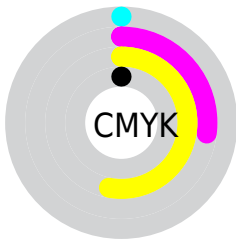
# Distribution



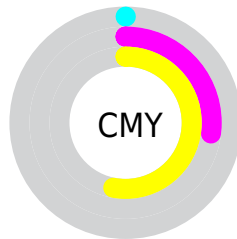
- Red (100%)
- Green (73%)
- Blue (47%)



- Red (100%)
- Yellow (98%)
- Blue (47%)



- Cyan (0%)
- Magenta (27%)
- Yellow (53%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7339, 0.4272, 0.3966 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 57.7339, 0.4272, 0.3966 by changing the saturation by 10% instead.





 57.7339, 0.4272,  
0.3966


 57.7339, 0.4272,  
0.3966


416.1937, 0.3727,  
0.3673

 41.5948, 0.4396,  
0.4024


 101.5353, 0.4082,  
0.3871

 28.7841, 0.4547,  
0.4089


 129.9663, 0.4009,  
0.3832

 18.9176, 0.4733,  
0.4160


 163.2633, 0.3945,  
0.3797

 11.6107, 0.4964,  
0.4231

201.8109, 0.3890,  
0.3767

 6.4792, 0.5258,  
0.4292

245.9933, 0.3842,  
0.3739

 3.1386, 0.5668,  
0.4332

296.1950, 0.3799,

 1.2045, 0.5941,

0.3715

352.8003, 0.3761,  
0.3693

0.4059

0.0654, 0.8833,  
0.1167

0.0000, 0.0000,  
0.0000

57.7339, 0.4272,  
0.3966

57.7339, 0.4272,  
0.3966

51.9532, 0.4554,  
0.4064

64.1861, 0.4004,  
0.3846

46.8089, 0.4836,  
0.4126


71.3260, 0.3758,  
0.3715


42.2743, 0.5102,  
0.4139

79.1798, 0.3538,  
0.3581

38.3162, 0.5331,  
0.4097

87.7692, 0.3343,  
0.3450

 35.8348, 0.5469,  
0.4039

 97.1151, 0.3173,  
0.3325

99.9979, 0.3127,  
0.3290

# Harmonies

## Analogous

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



57.7339, 0.4305, 0.3512



57.7339, 0.4272, 0.3966



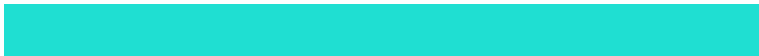
57.7339, 0.3917, 0.4309

# Triad

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



57.7339, 0.4272, 0.3966



57.7339, 0.2319, 0.3469



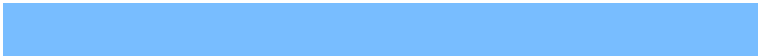
57.7339, 0.2797, 0.2414

# Complementary

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



57.7339, 0.4272, 0.3966



47.6228, 0.2279, 0.2466

# Split Complementary

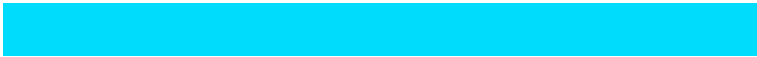
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.7339, 0.2331, 0.2347



57.7339, 0.4272, 0.3966



57.7339, 0.2077, 0.2885

# Square

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



57.7339, 0.4272, 0.3966



57.7339, 0.2783, 0.4062



57.7339, 0.2084, 0.2498



57.7339, 0.3403, 0.2666



# Rectangle

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



57.7339, 0.4272, 0.3966



57.7339, 0.3563, 0.4397



57.7339, 0.2084, 0.2498



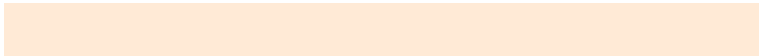
57.7339, 0.2620, 0.2370

# Sweetspot

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



57.7367, 0.4272, 0.3966



85.0527, 0.3400, 0.3490



38.4098, 0.3851, 0.2584



17.8234, 0.3440, 0.3517



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.



57.7367, 0.4272, 0.3966



51.3726, 0.4584, 0.4072



92.7016, 0.3908, 0.4547



19.4530, 0.3282, 0.3406



19.0231, 0.5443, 0.4060



2.0701, 0.5263, 0.4203



# Inverse Universe

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



47.6228, 0.2279, 0.2466



40.2327, 0.2119, 0.2255



25.2077, 0.2106, 0.1619



18.9132, 0.2979, 0.3171



12.4639, 0.1781, 0.1611



1.4323, 0.1837, 0.1814



# Previews

## White Background



This preview shows how the Yxy color 57.7339, 0.4272, 0.3966 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 57.7339, 0.4272, 0.3966 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 57.7339, 0.4272, 0.3966**

## Background



This preview shows how black text looks on a background with the Yxy color 57.7339, 0.4272, 0.3966.



This preview shows how white text looks on a background with the Yxy color 57.7339, 0.4272, 0.3966.

# 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

57.7339, 0.4272, 0.3966

### Protanopia

57.6946, 0.3841, 0.4160

### Deuteranopia

57.6482, 0.4148, 0.4058



## Tritanopia

57.7083, 0.3680, 0.3166

# Trichromacy



**Original Color**

57.7339, 0.4272, 0.3966

**Protanomaly**

57.4492, 0.3993, 0.4093

**Deuteranomaly**

57.5013, 0.4194, 0.4027

**Tritanomaly**

57.4691, 0.3905, 0.3461

# Monochromacy



**Original Color**

57.7339, 0.4272, 0.3966

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

56.5459, 0.3522, 0.3572

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7339, 0.4272, 0.3966 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7339, 0.4272, 0.3966 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, 120) }
```

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

```
.border{ border-color:rgb(255, 186, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7339, 0.4272, 0.3966 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, 120) }
```

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

```
.background{ background-color: rgb(255,  
186, 120) }
```

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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