

# Converting Colors

$Yxy(62.8379, 0.4055, 0.3886)$

Have a look what the booklet for  
Yxy(62.8379, 0.4055, 0.3886)  
contains.

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# **Color**

**Yxy(62.8968, 0.4049, 0.3883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEC58C
RGB	254, 197, 140
RGB Percent	100%, 77%, 55%
CMY	0.0037, 0.2275, 0.4509
CMYK	0.00, 0.22, 0.45, 0.00
HSL	30°, 98%, 77%
HSV	30°, 45%, 100%
XYZ	65.5857, 62.8968, 33.4974
YIQ	207.5450, 52.2690, -5.6430

# Conversions

## Conversions Part 2

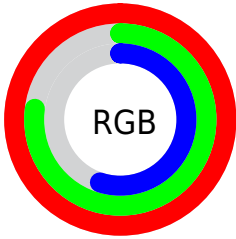
<b>Format</b>	<b>Color</b>
<b>RYB</b>	254, 254, 140
Decimal	16696716
CIELab	83.39, 13.44, 36.34
CIELCh	83, 38.749, 69.708
Yxy	62.8968, 0.4049, 0.3883
Android (android.graphics.Color)	4294886796 (0xFFFECE58C)
YUV	207.5450, -33.2997, 40.7410
Hunter-Lab	79.3075, 8.8277, 30.4727

# Details

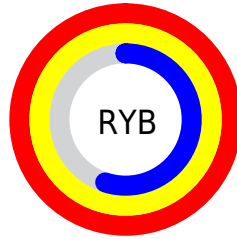
The Yxy color **62.8968, 0.4049, 0.3883** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.6979, 0.2401, 0.2598**, and the grayscale version is **62.9647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0387, 0.3492, 0.3881**, and **31.9683, 0.4271, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **56.7039, 0.4317, 0.4002**, and if you desaturate by 10%, it is **69.7555, 0.3801, 0.3751**.

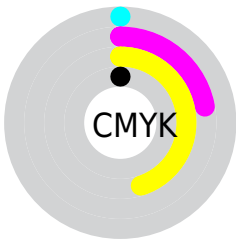
# Distribution



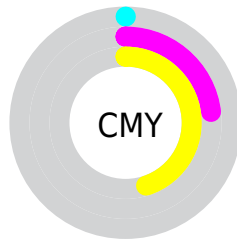
- Red (100%)
- Green (77%)
- Blue (55%)



- Red (100%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (22%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8968, 0.4049, 0.3883 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 62.8968, 0.4049, 0.3883 by changing the saturation by 10% instead.





 62.8968, 0.4049,  
0.3883

 62.8968, 0.4049,  
0.3883


435.1949, 0.3613,  
0.3620


 45.7577, 0.4148,  
0.3938


 109.0206, 0.3897,  
0.3795

 32.0547, 0.4270,  
0.4003


 138.7741, 0.3838,  
0.3760

 21.4033, 0.4423,  
0.4079


 173.5013, 0.3788,  
0.3729

 13.4191, 0.4617,  
0.4166

213.5864, 0.3744,  
0.3702

 7.7178, 0.4866,  
0.4261

259.4139, 0.3705,  
0.3678

 3.9149, 0.5272,  
0.4414

311.3683, 0.3671,

 1.6261, 0.5626,

0.3657

0.4374

369.8338, 0.3641,  
0.3637

0.3751, 0.6460,  
0.3540

0.0000, 0.0000,  
0.0000

62.8968, 0.4049,  
0.3883

62.8968, 0.4049,  
0.3883

56.7039, 0.4317,  
0.4002

69.7555, 0.3801,  
0.3751

51.1437, 0.4595,  
0.4096

77.2933, 0.3577,  
0.3614

46.1932, 0.4870,  
0.4152

85.5346, 0.3378,  
0.3479

41.8236, 0.5124,  
0.4158

94.4993, 0.3204,  
0.3350

■ 38.0018, 0.5340,  
0.4107

99.8193, 0.3121,  
0.3290

■ 36.2409, 0.5437,  
0.4065

# Harmonies

## Analogous

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



62.8968, 0.4088, 0.3515



62.8968, 0.4049, 0.3883



62.8968, 0.3753, 0.4135

# Triad

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



62.8968, 0.4049, 0.3883



62.8968, 0.2446, 0.3405



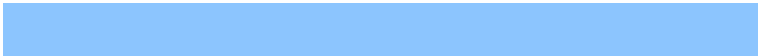
62.8968, 0.2894, 0.2573

# Complementary

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



62.8968, 0.4049, 0.3883



52.6979, 0.2401, 0.2598

# 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.



62.8968, 0.2495, 0.2509



62.8968, 0.4049, 0.3883



62.8968, 0.2253, 0.2943

# Square

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



62.8968, 0.4049, 0.3883



62.8968, 0.2823, 0.3875



62.8968, 0.2272, 0.2630



62.8968, 0.3390, 0.2794



# Rectangle

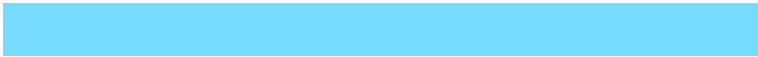
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.8968, 0.4049, 0.3883



62.8968, 0.3461, 0.4178



62.8968, 0.2272, 0.2630



62.8968, 0.2745, 0.2532

# Sweetspot

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



62.8998, 0.4049, 0.3883



87.9160, 0.3344, 0.3454



43.9584, 0.3698, 0.2684



18.4051, 0.3384, 0.3484



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.



62.8998, 0.4049, 0.3883



57.7121, 0.4292, 0.3992



92.6846, 0.3803, 0.4380



19.4866, 0.3282, 0.3409



19.3941, 0.5412, 0.4085

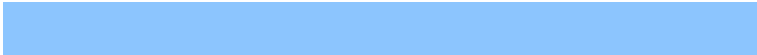


2.1067, 0.5236, 0.4225

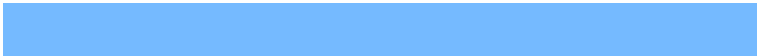


# Inverse Universe

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



52.6979, 0.2401, 0.2598



46.2241, 0.2258, 0.2426



32.0542, 0.2279, 0.1904



18.8795, 0.2979, 0.3168



12.0822, 0.1771, 0.1575



1.3948, 0.1828, 0.1780



# Previews

## White Background



This preview shows how the Yxy color 62.8968, 0.4049, 0.3883 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

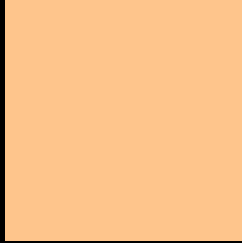
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8968, 0.4049, 0.3883 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 62.8968, 0.4049, 0.3883**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8968, 0.4049, 0.3883.



This preview shows how white text looks on a background with the Yxy color 62.8968, 0.4049, 0.3883.

# 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

62.8968, 0.4049, 0.3883

### Protanopia

63.1636, 0.3722, 0.4004

### Deuteranopia

62.8800, 0.3997, 0.3914



## Tritanopia

62.8812, 0.3553, 0.3157

# Trichromacy



**Original Color**

62.8968, 0.4049, 0.3883

**Protanomaly**

63.0018, 0.3844, 0.3961

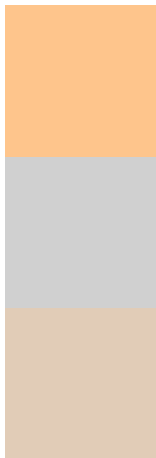
**Deuteranomaly**

62.7908, 0.4019, 0.3900

**Tritanomaly**

62.7361, 0.3739, 0.3417

# Monochromacy



**Original Color**

62.8968, 0.4049, 0.3883

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

62.6122, 0.3448, 0.3528

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8968, 0.4049, 0.3883 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(254, 197, 140)` looks like.

```
.text, #text, p{  
    color:rgb(254, 197, 140)  
}
```

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(254, 197, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 197, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8968, 0.4049, 0.3883 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(254, 197, 140) }
```

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

```
.border{ border-color:rgb(254, 197, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 197, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 197, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 197, 140);  
box-shadow:4px 4px 4px 4px rgb(254, 197,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8968, 0.4049, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 197, 140) }
```

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

```
.background{ background-color: rgb(254,  
197, 140) }
```

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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