

# Converting Colors

$Y_{xy}(62.8565, 0.4057, 0.3874)$

Have a look what the booklet for  
Yxy(62.8565, 0.4057, 0.3874)  
contains.

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# **Color**

**Yxy(63.0860, 0.4057, 0.3881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC58C
RGB	255, 197, 140
RGB Percent	100%, 77%, 55%
CMY	0.0000, 0.2275, 0.4509
CMYK	0.00, 0.23, 0.45, 0.00
HSL	30°, 100%, 77%
HSV	30°, 45%, 100%
XYZ	65.9469, 63.0860, 33.5180
YIQ	207.8440, 52.8650, -5.4310

# Conversions

## Conversions Part 2

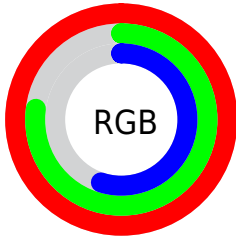
Format	Color
R <sub>Y</sub> B	255, 253, 140
Decimal	16762252
CIE Lab	83.49, 13.82, 36.49
CIE LCh	83, 39.017, 69.257
Yxy	63.0860, 0.4057, 0.3881
Android (android.graphics.Color)	4294952332 (0xFFFFC58C)
YUV	207.8440, -33.4471, 41.3558
Hunter-Lab	79.4267, 9.2094, 30.5784

# Details

The Yxy color **63.0860, 0.4057, 0.3881** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.1948, 0.2399, 0.2601**, and the grayscale version is **63.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0387, 0.3492, 0.3881**, and **32.1020, 0.4281, 0.3996** is the 20% darker color. If you saturate the color by 10%, you get **56.8229, 0.4326, 0.3999**, and if you desaturate by 10%, it is **70.0196, 0.3807, 0.3750**.

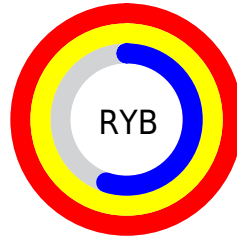
# Distribution



Red (100%)

Green (77%)

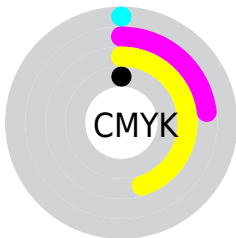
Blue (55%)



Red (100%)

Yellow (99%)

Blue (55%)

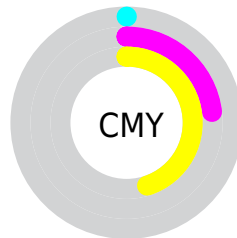


Cyan (0%)

Magenta (23%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0860, 0.4057, 0.3881 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 63.0860, 0.4057, 0.3881 by changing the saturation by 10% instead.




 63.0860, 0.4057,  
0.3881


 63.0860, 0.4057,  
0.3881

435.8815, 0.3618,  
0.3620


 45.9108, 0.4157,  
0.3936


 109.2936, 0.3904,  
0.3794

 32.1754, 0.4280,  
0.3999


 139.0947, 0.3845,  
0.3759

 21.4955, 0.4434,  
0.4074


 173.8733, 0.3794,  
0.3728

 13.4867, 0.4629,  
0.4160

214.0137, 0.3749,  
0.3701

 7.7645, 0.4879,  
0.4252

259.9003, 0.3710,  
0.3677

 3.9447, 0.5287,  
0.4401

311.9176, 0.3676,

 1.6426, 0.5643,

0.3656

0.4357

370.4499, 0.3645,  
0.3637

0.3861, 0.6459,  
0.3541

0.0000, 0.0000,  
0.0000

63.0860, 0.4057,  
0.3881

63.0860, 0.4057,  
0.3881

56.8229, 0.4326,  
0.3999

70.0196, 0.3807,  
0.3750

51.2092, 0.4606,  
0.4091

77.6502, 0.3582,  
0.3614

46.2170, 0.4883,  
0.4145

85.9982, 0.3383,  
0.3480

41.8169, 0.5139,  
0.4149

95.0843, 0.3207,  
0.3352

■ 37.9749, 0.5356,  
0.4096

100.0000, 0.3127,  
0.3290

■ 36.2749, 0.5449,  
0.4055

# Harmonies

## Analogous

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



63.0860, 0.4092, 0.3510



63.0860, 0.4057, 0.3881



63.0860, 0.3762, 0.4137

# Triad

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



63.0860, 0.4057, 0.3881



63.0860, 0.2447, 0.3414



63.0860, 0.2886, 0.2567

# Complementary

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



63.0860, 0.4057, 0.3881



53.1948, 0.2399, 0.2601

# 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.



63.0860, 0.2487, 0.2505



63.0860, 0.4057, 0.3881



63.0860, 0.2250, 0.2947

# Square

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



63.0860, 0.4057, 0.3881



63.0860, 0.2828, 0.3885



63.0860, 0.2265, 0.2629



63.0860, 0.3384, 0.2787



# Rectangle

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



63.0860, 0.4057, 0.3881



63.0860, 0.3470, 0.4184



63.0860, 0.2265, 0.2629



63.0860, 0.2737, 0.2527

# Sweetspot

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



63.0848, 0.4057, 0.3881



86.9534, 0.3362, 0.3466



44.1646, 0.3701, 0.2681



18.2091, 0.3403, 0.3495



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.



63.0848, 0.4057, 0.3881



57.4742, 0.4296, 0.3987



93.4573, 0.3806, 0.4384



19.4739, 0.3282, 0.3408



19.2524, 0.5424, 0.4076

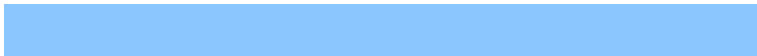


2.0928, 0.5246, 0.4217



# Inverse Universe

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



53.1948, 0.2399, 0.2601



46.4631, 0.2260, 0.2434



32.1233, 0.2274, 0.1896



18.8923, 0.2979, 0.3169



12.2257, 0.1775, 0.1589



1.4089, 0.1832, 0.1793



# Previews

## White Background



This preview shows how the Yxy color 63.0860, 0.4057, 0.3881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

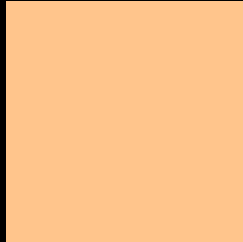
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0860, 0.4057, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

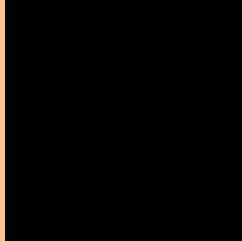
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.0860, 0.4057, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0860, 0.4057, 0.3881.



This preview shows how white text looks on a background with the Yxy color 63.0860, 0.4057, 0.3881.

# 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

63.0860, 0.4057, 0.3881

### Protanopia

63.1636, 0.3722, 0.4004

### Deuteranopia

63.0643, 0.4006, 0.3912



## Tritanopia

62.8812, 0.3553, 0.3157

# Trichromacy



**Original Color**

63.0860, 0.4057, 0.3881

**Protanomaly**

63.0018, 0.3844, 0.3961

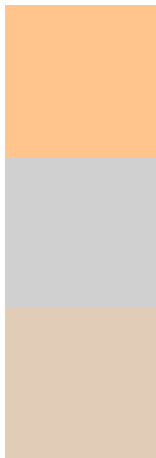
**Deuteranomaly**

62.9771, 0.4027, 0.3897

**Tritanomaly**

62.7361, 0.3739, 0.3417

# Monochromacy



**Original Color**

63.0860, 0.4057, 0.3881

**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 63.0860, 0.4057, 0.3881 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, 197, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 197, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0860, 0.4057, 0.3881 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, 197, 140) }
```

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

```
.border{ border-color:rgb(255, 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(255, 197, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
140) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 63.0860, 0.4057, 0.3881$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 140) }
```

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

```
.background{ background-color: rgb(255,  
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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