

# Converting Colors

$Yxy(63.7808, 0.3989, 0.3810)$

Have a look what the booklet for  
Yxy(63.7808, 0.3989, 0.3810)  
contains.

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# Color

**Yxy(63.7863, 0.3990, 0.3811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC694
RGB	255, 198, 148
RGB Percent	100%, 78%, 58%
CMY	0.0000, 0.2235, 0.4196
CMYK	0.00, 0.22, 0.42, 0.00
HSL	28°, 100%, 79%
HSV	28°, 42%, 100%
XYZ	66.7823, 63.7863, 36.8056
YIQ	209.3430, 50.0220, -3.4660

# Conversions

## Conversions Part 2

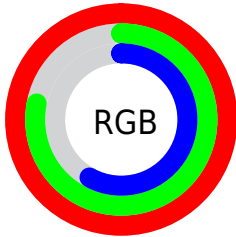
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 242, 148
Decimal	16762516
CIE <sub>Lab</sub>	83.85, 14.10, 32.84
CIE <sub>LCh</sub>	84, 35.741, 66.766
Yxy	63.7863, 0.3990, 0.3811
Android (android.graphics.Color)	4294952596 (0xFFFFC694)
YUV	209.3430, -30.2421, 40.0412
Hunter-Lab	79.8663, 9.4913, 28.5832

# Details

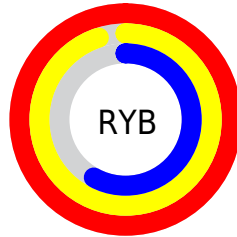
The Yxy color **63.7863, 0.3990, 0.3811** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.1737, 0.2455, 0.2695**, and the grayscale version is **64.1724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **32.5453, 0.4195, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **57.1328, 0.4263, 0.3927**, and if you desaturate by 10%, it is **71.1759, 0.3741, 0.3685**.

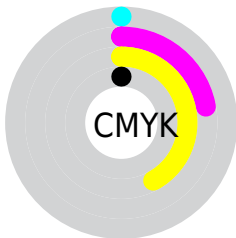
# Distribution



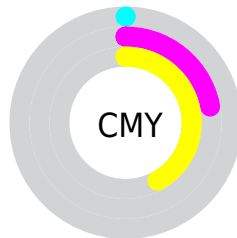
- Red (100%)
- Green (78%)
- Blue (58%)



- Red (100%)
- Yellow (95%)
- Blue (58%)



- Cyan (0%)
- Magenta (22%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7863, 0.3990, 0.3811 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 63.7863, 0.3990, 0.3811 by changing the saturation by 10% instead.





 63.7863, 0.3990,  
0.3811


 63.7863, 0.3990,  
0.3811

438.4175, 0.3582,  
0.3580

 46.4776, 0.4084,  
0.3860

 110.3031, 0.3847,  
0.3734

 32.6229, 0.4200,  
0.3917


 140.2800, 0.3792,  
0.3703

 21.8377, 0.4345,  
0.3985


175.2485, 0.3745,  
0.3676

 13.7377, 0.4532,  
0.4065

215.5929, 0.3703,  
0.3652

 7.9385, 0.4778,  
0.4155

261.6976, 0.3667,  
0.3631

 4.0556, 0.5131,  
0.4261

313.9470, 0.3635,

 1.7047, 0.5649,

0.3612

0.4351

372.7255, 0.3607,  
0.3595

0.4267, 0.6373,  
0.3627

0.0000, 0.0000,  
0.0000

63.7863, 0.3990,  
0.3811

63.7863, 0.3990,  
0.3811

57.1328, 0.4263,  
0.3927

71.1759, 0.3741,  
0.3685

51.1870, 0.4552,  
0.4023

79.3243, 0.3520,  
0.3556

45.9211, 0.4846,  
0.4084

88.2555, 0.3326,  
0.3431

41.3041, 0.5125,  
0.4098

97.9919, 0.3158,  
0.3312

■ 37.3010, 0.5369,  
0.4057

100.0000, 0.3127,  
0.3290

■ 34.4947, 0.5533,  
0.3988

# Harmonies

## Analogous

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



63.7863, 0.3998, 0.3467



63.7863, 0.3990, 0.3811



63.7863, 0.3740, 0.4053

# Triad

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



63.7863, 0.3990, 0.3811



63.7863, 0.2527, 0.3442



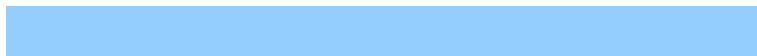
63.7863, 0.2873, 0.2613

# Complementary

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



63.7863, 0.3990, 0.3811



57.1737, 0.2455, 0.2695

# 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.



63.7863, 0.2516, 0.2571



63.7863, 0.3990, 0.3811



63.7863, 0.2328, 0.3012

# Square

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



63.7863, 0.3990, 0.3811



63.7863, 0.2890, 0.3858



63.7863, 0.2326, 0.2704



63.7863, 0.3325, 0.2806



# Rectangle

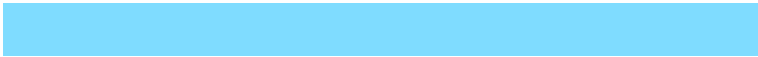
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7863, 0.3990, 0.3811



63.7863, 0.3480, 0.4104



63.7863, 0.2326, 0.2704



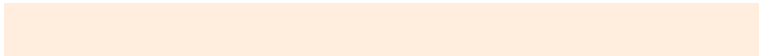
63.7863, 0.2739, 0.2581

# Sweetspot

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



63.7870, 0.3990, 0.3811



87.2927, 0.3345, 0.3444



46.8485, 0.3628, 0.2704



18.2516, 0.3386, 0.3471



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.



63.7870, 0.3990, 0.3811



58.3826, 0.4207, 0.3906



92.6632, 0.3769, 0.4300



19.3866, 0.3283, 0.3401



18.3168, 0.5506, 0.4010

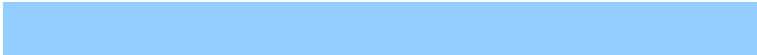


1.9997, 0.5318, 0.4159

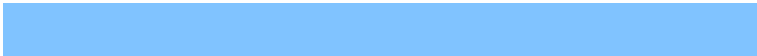


# Inverse Universe

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



57.1737, 0.2455, 0.2695



50.9865, 0.2330, 0.2556



35.8292, 0.2345, 0.2029



18.9800, 0.2979, 0.3176



13.2500, 0.1801, 0.1684



1.5089, 0.1856, 0.1880



# Previews

## White Background



This preview shows how the Yxy color 63.7863, 0.3990, 0.3811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

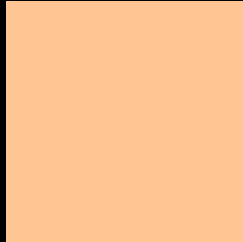
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.7863, 0.3990, 0.3811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

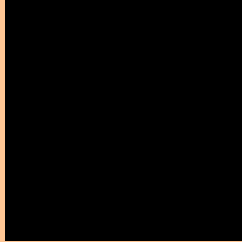
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.7863, 0.3990, 0.3811**

## Background



This preview shows how black text looks on a background with the Yxy color 63.7863, 0.3990, 0.3811.



This preview shows how white text looks on a background with the Yxy color 63.7863, 0.3990, 0.3811.

# 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

63.7863, 0.3990, 0.3811

### Protanopia

63.9084, 0.3660, 0.3925

### Deuteranopia

63.5549, 0.3939, 0.3852



## Tritanopia

63.8562, 0.3533, 0.3157

# Trichromacy



**Original Color**

63.7863, 0.3990, 0.3811

**Protanomaly**

63.7299, 0.3780, 0.3885

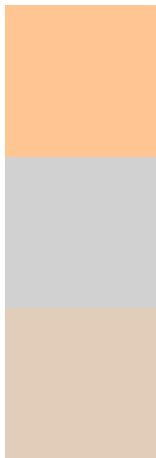
**Deuteranomaly**

63.4627, 0.3960, 0.3838

**Tritanomaly**

63.7930, 0.3700, 0.3396

# Monochromacy



**Original Color**

63.7863, 0.3990, 0.3811

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

63.4193, 0.3424, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7863, 0.3990, 0.3811 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, 198, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 148)  
}
```

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, 198, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7863, 0.3990, 0.3811 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, 198, 148) }
```

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

```
.border{ border-color:rgb(255, 198, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
148) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 63.7863, 0.3990, 0.3811$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 148) }
```

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

```
.background{ background-color: rgb(255,  
198, 148) }
```

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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