

# Converting Colors

$Y_{xy}(64.0493, 0.3915, 0.3713)$

Have a look what the booklet for  
Yxy(64.0493, 0.3915, 0.3713)  
contains.

<b>Yxy(64.0825, 0.3918, 0.3719)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.0825, 0.3918, 0.3719)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC69D
RGB	255, 198, 157
RGB Percent	100%, 78%, 62%
CMY	0.0001, 0.2235, 0.3842
CMYK	0.00, 0.22, 0.38, 0.00
HSL	25°, 100%, 81%
HSV	25°, 38%, 100%
XYZ	67.5115, 64.0825, 40.7171
YIQ	210.3690, 47.1330, -0.6670

# Conversions

## Conversions Part 2

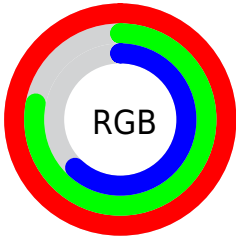
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 227, 157
Decimal	16762525
CIE Lab	84.01, 15.05, 28.34
CIE LCh	84, 32.085, 62.034
Yxy	64.0825, 0.3918, 0.3719
Android (android.graphics.Color)	4294952605 (0xFFFFC69D)
YUV	210.3690, -26.3109, 39.1414
Hunter-Lab	80.0515, 10.4478, 25.8790

# Details

The Yxy color **64.0825, 0.3918, 0.3719** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.4629, 0.2521, 0.2812**, and the grayscale version is **64.8583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **32.8368, 0.4123, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **56.8542, 0.4197, 0.3828**, and if you desaturate by 10%, it is **72.1618, 0.3670, 0.3604**.

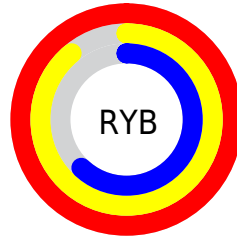
# Distribution



Red (100%)

Green (78%)

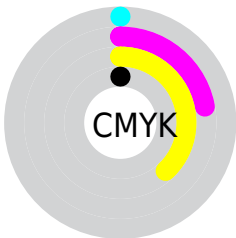
Blue (62%)



Red (100%)

Yellow (89%)

Blue (62%)

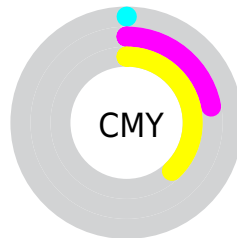


Cyan (0%)

Magenta (22%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0825, 0.3918, 0.3719 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 64.0825, 0.3918, 0.3719 by changing the saturation by 10% instead.



 64.0825, 0.3918,  
0.3719


 64.0825, 0.3918,  
0.3719


439.4875, 0.3542,  
0.3529

 46.7175, 0.4005,  
0.3759


 110.7297, 0.3786,  
0.3655

 32.8124, 0.4113,  
0.3807


 140.7808, 0.3735,  
0.3630

 21.9828, 0.4250,  
0.3864


175.8293, 0.3692,  
0.3608

 13.8442, 0.4429,  
0.3932

216.2596, 0.3654,  
0.3588

 8.0124, 0.4668,  
0.4011

262.4562, 0.3621,  
0.3571

 4.1029, 0.4998,  
0.4092

314.8035, 0.3592,

 1.7313, 0.5694,

0.3555

0.4306

373.6858, 0.3566,  
0.3541

0.4438, 0.6400,  
0.3600

0.0000, 0.0000,  
0.0000

64.0825, 0.3918,  
0.3719

64.0825, 0.3918,  
0.3719

56.8542, 0.4197,  
0.3828

72.1618, 0.3670,  
0.3604

50.4376, 0.4500,  
0.3920

81.1117, 0.3452,  
0.3489

44.8031, 0.4817,  
0.3984

90.9622, 0.3265,  
0.3378

39.9154, 0.5129,  
0.4005

99.9933, 0.3127,  
0.3290

■ 35.7355, 0.5411,  
0.3974

■ 32.2163, 0.5642,  
0.3890

■ 31.7124, 0.5676,  
0.3875

# Harmonies

## Analogous

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



64.0825, 0.3885, 0.3402



64.0825, 0.3918, 0.3719



64.0825, 0.3727, 0.3952

# Triad

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



64.0825, 0.3918, 0.3719



64.0825, 0.2632, 0.3491



64.0825, 0.2841, 0.2662

# Complementary

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



64.0825, 0.3918, 0.3719



62.4629, 0.2521, 0.2812

# 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.



64.0825, 0.2538, 0.2650



64.0825, 0.3918, 0.3719



64.0825, 0.2423, 0.3100

# Square

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



64.0825, 0.3918, 0.3719



64.0825, 0.2978, 0.3842



64.0825, 0.2391, 0.2799



64.0825, 0.3241, 0.2817



# Rectangle

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



64.0825, 0.3918, 0.3719



64.0825, 0.3506, 0.4016



64.0825, 0.2391, 0.2799



64.0825, 0.2726, 0.2640

# Sweetspot

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



64.0855, 0.3918, 0.3719



87.3532, 0.3329, 0.3417



50.2368, 0.3525, 0.2706



18.4197, 0.3353, 0.3432



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.



64.0855, 0.3918, 0.3719



58.5431, 0.4127, 0.3802



90.0892, 0.3733, 0.4177



19.2365, 0.3284, 0.3390



16.8547, 0.5648, 0.3898

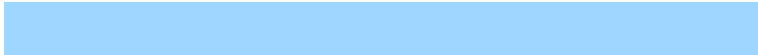


1.8512, 0.5444, 0.4059

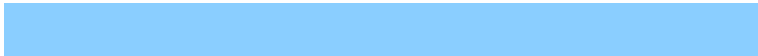


# Inverse Universe

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



62.4629, 0.2521, 0.2812



56.6911, 0.2405, 0.2698



41.3636, 0.2430, 0.2212



19.1324, 0.2979, 0.3188



15.1834, 0.1848, 0.1854



1.6944, 0.1898, 0.2033



# Previews

## White Background



This preview shows how the Yxy color 64.0825, 0.3918, 0.3719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

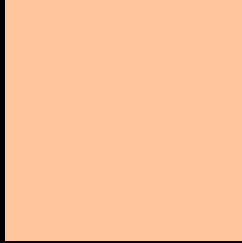
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0825, 0.3918, 0.3719 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

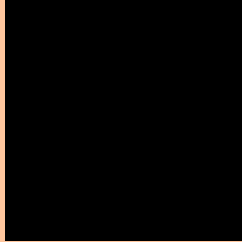
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0825, 0.3918, 0.3719**

## Background



This preview shows how black text looks on a background with the Yxy color 64.0825, 0.3918, 0.3719.



This preview shows how white text looks on a background with the Yxy color 64.0825, 0.3918, 0.3719.

# 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

64.0825, 0.3918, 0.3719

### Protanopia

64.0569, 0.3586, 0.3824

### Deuteranopia

64.1300, 0.3856, 0.3770



## Tritanopia

63.8562, 0.3533, 0.3157

# Trichromacy



**Original Color**

64.0825, 0.3918, 0.3719

**Protanomaly**

63.8629, 0.3703, 0.3788

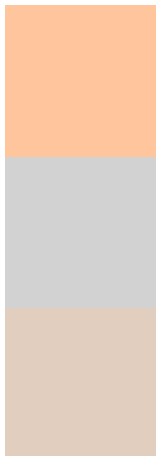
**Deuteranomaly**

64.2181, 0.3885, 0.3755

**Tritanomaly**

63.9211, 0.3676, 0.3364

# Monochromacy



**Original Color**

64.0825, 0.3918, 0.3719

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

64.0730, 0.3392, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0825, 0.3918, 0.3719 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0825, 0.3918, 0.3719 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, 157) }
```

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

```
.border{ border-color:rgb(255, 198, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0825, 0.3918, 0.3719 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, 157) }
```

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

```
.background{ background-color: rgb(255,  
198, 157) }
```

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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