

# Converting Colors

$Yxy(60.9306, 0.3979, 0.3692)$

Have a look what the booklet for  
Yxy(60.9306, 0.3979, 0.3692)  
contains.

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# **Color**

**Yxy(60.8215, 0.3980, 0.3689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBF99
RGB	255, 191, 153
RGB Percent	100%, 75%, 60%
CMY	0.0000, 0.2509, 0.3999
CMYK	0.00, 0.25, 0.40, 0.00
HSL	22°, 100%, 80%
HSV	22°, 40%, 100%
XYZ	65.6193, 60.8215, 38.4318
YIQ	205.8040, 50.3420, 1.7500

# Conversions

## Conversions Part 2

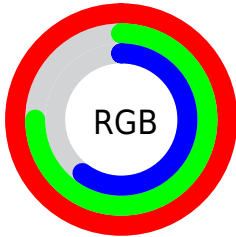
Format	Color
R <sub>Y</sub> B	255, 214, 153
Decimal	16760729
CIE Lab	82.28, 18.28, 28.11
CIE LCh	82, 33.530, 56.967
Yxy	60.8215, 0.3980, 0.3689
Android (android.graphics.Color)	4294950809 (0xFFFFBF99)
YUV	205.8040, -26.0324, 43.1449
Hunter-Lab	77.9881, 13.7108, 25.3742

# Details

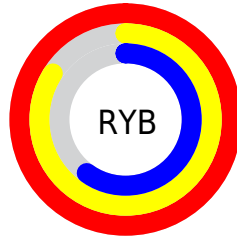
The Yxy color **60.8215, 0.3980, 0.3689** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.6262, 0.2505, 0.2846**, and the grayscale version is **61.7379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3356, 0.3419, 0.3676**, and **30.5864, 0.4192, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **53.4672, 0.4277, 0.3784**, and if you desaturate by 10%, it is **69.1241, 0.3717, 0.3587**.

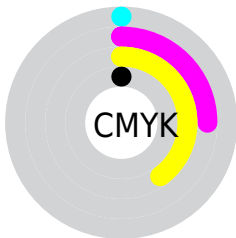
# Distribution



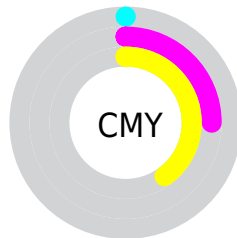
- Red (100%)
- Green (75%)
- Blue (60%)



- Red (100%)
- Yellow (84%)
- Blue (60%)



- Cyan (0%)
- Magenta (25%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8215, 0.3980, 0.3689 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 60.8215, 0.3980, 0.3689 by changing the saturation by 10% instead.





 60.8215, 0.3980,  
0.3689

 60.8215, 0.3980,  
0.3689

427.6192, 0.3571,  
0.3514

 44.0811, 0.4076,  
0.3725


 106.0204, 0.3836,  
0.3631

 30.7343, 0.4196,  
0.3768


 135.2478, 0.3780,  
0.3607

 20.3966, 0.4348,  
0.3818


169.4063, 0.3733,  
0.3587

 12.6837, 0.4548,  
0.3876

208.8803, 0.3691,  
0.3569

 7.2111, 0.4817,  
0.3937

254.0542, 0.3655,  
0.3553

 3.5945, 0.5204,  
0.3995

305.3123, 0.3624,

 1.4494, 0.5911,

0.3538

0.4089

363.0392, 0.3596,  
0.3525

0.2527, 0.7309,  
0.2691

0.0000, 0.0000,  
0.0000

60.8215, 0.3980,  
0.3689

60.8215, 0.3980,  
0.3689

53.4672, 0.4277,  
0.3784

69.1241, 0.3717,  
0.3587

47.0166, 0.4602,  
0.3862

78.4001, 0.3489,  
0.3483

41.4339, 0.4942,  
0.3909

88.6845, 0.3294,  
0.3384

36.6773, 0.5274,  
0.3914

99.9977, 0.3127,  
0.3290

■ 32.7002, 0.5569,  
0.3866

■ 29.4429, 0.5806,  
0.3772

■ 29.4383, 0.5807,  
0.3771

# Harmonies

## Analogous

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



60.8215, 0.3904, 0.3347



60.8215, 0.3980, 0.3689



60.8215, 0.3812, 0.3960

# Triad

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



60.8215, 0.3980, 0.3689



60.8215, 0.2654, 0.3575



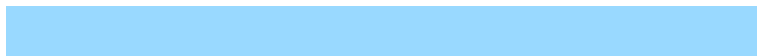
60.8215, 0.2759, 0.2612

# Complementary

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



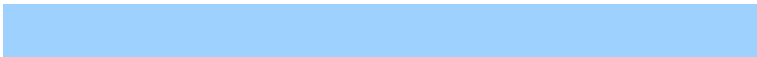
60.8215, 0.3980, 0.3689



63.6262, 0.2505, 0.2846

# 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.



60.8215, 0.2464, 0.2626



60.8215, 0.3980, 0.3689



60.8215, 0.2406, 0.3152

# Square

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



60.8215, 0.3980, 0.3689



60.8215, 0.3037, 0.3927



60.8215, 0.2340, 0.2810



60.8215, 0.3172, 0.2753



# Rectangle

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



60.8215, 0.3980, 0.3689



60.8215, 0.3593, 0.4055



60.8215, 0.2340, 0.2810



60.8215, 0.2644, 0.2598

# Sweetspot

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



60.8244, 0.3980, 0.3689



86.5382, 0.3331, 0.3403



49.0922, 0.3499, 0.2633



18.2285, 0.3355, 0.3416



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.



60.8244, 0.3980, 0.3689



54.8597, 0.4216, 0.3766



86.7026, 0.3777, 0.4168



19.0954, 0.3285, 0.3379



15.6456, 0.5777, 0.3795



1.7245, 0.5563, 0.3965



# Inverse Universe

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



63.6262, 0.2505, 0.2846



57.9754, 0.2389, 0.2739



41.4957, 0.2407, 0.2223



19.2775, 0.2979, 0.3199



17.2085, 0.1894, 0.2018



1.8852, 0.1939, 0.2179



# Previews

## White Background



This preview shows how the Yxy color 60.8215, 0.3980, 0.3689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

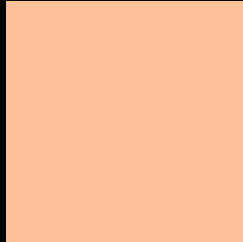
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8215, 0.3980, 0.3689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

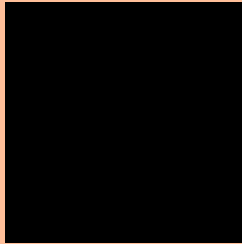
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.8215, 0.3980, 0.3689**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8215, 0.3980, 0.3689.



This preview shows how white text looks on a background with the Yxy color 60.8215, 0.3980, 0.3689.

# 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

60.8215, 0.3980, 0.3689

### Protanopia

61.2259, 0.3579, 0.3824

### Deuteranopia

61.0767, 0.3854, 0.3781



## Tritanopia

60.9242, 0.3603, 0.3167

# Trichromacy



**Original Color**

60.8215, 0.3980, 0.3689

**Protanomaly**

60.8987, 0.3718, 0.3773

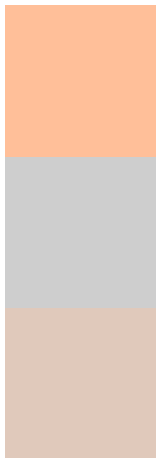
**Deuteranomaly**

61.0714, 0.3904, 0.3752

**Tritanomaly**

60.6038, 0.3746, 0.3355

# Monochromacy



**Original Color**

60.8215, 0.3980, 0.3689

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

61.2084, 0.3415, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8215, 0.3980, 0.3689 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, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 153)  
}
```

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, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8215, 0.3980, 0.3689 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, 191, 153) }
```

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

```
.border{ border-color:rgb(255, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8215, 0.3980, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 153) }
```

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

```
.background{ background-color: rgb(255,  
191, 153) }
```

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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