

# Converting Colors

$Yxy(68.9922, 0.4109, 0.3392)$

Have a look what the booklet for  
Yxy(68.9922, 0.4109, 0.3392)  
contains.

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# Color

**Yxy(60.4408, 0.3780, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBCB2
RGB	255, 188, 178
RGB Percent	100%, 74%, 70%
CMY	0.0000, 0.2627, 0.3021
CMYK	0.00, 0.26, 0.30, 0.00
HSL	8°, 100%, 85%
HSV	8°, 30%, 100%
XYZ	67.2553, 60.4408, 50.2280
YIQ	206.8930, 43.1420, 11.0940

# Conversions

## Conversions Part 2

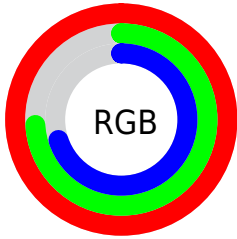
Format	Color
R <sub>Y</sub> B	255, 189, 178
Decimal	16759986
CIE Lab	82.08, 22.81, 14.56
CIE LCh	82, 27.060, 32.562
Yxy	60.4408, 0.3780, 0.3397
Android (android.graphics.Color)	4294950066 (0xFFFFBCB2)
YUV	206.8930, -14.2442, 42.1898
Hunter-Lab	77.7437, 18.3671, 16.1150

# Details

The Yxy color **60.4408, 0.3780, 0.3397** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.9615, 0.2678, 0.3179**, and the grayscale version is **62.3977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9019, 0.3260, 0.3388**, and **30.4012, 0.3958, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **50.7539, 0.4096, 0.3433**, and if you desaturate by 10%, it is **71.7797, 0.3518, 0.3360**.

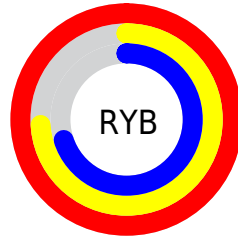
# Distribution



Red (100%)

Green (74%)

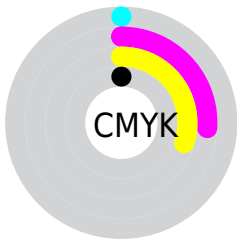
Blue (70%)



Red (100%)

Yellow (74%)

Blue (70%)

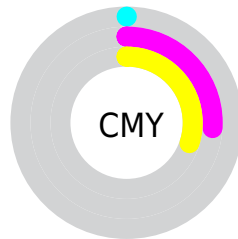


Cyan (0%)

Magenta (26%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4408, 0.3780, 0.3397 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 60.4408, 0.3780, 0.3397 by changing the saturation by 10% instead.




 60.4408, 0.3780,  
0.3397

 60.4408, 0.3780,  
0.3397


426.2206, 0.3464,  
0.3354

 43.7740, 0.3855,  
0.3405


 105.4688, 0.3668,  
0.3384

 30.4929, 0.3950,  
0.3414


134.5989, 0.3625,  
0.3378

 20.2130, 0.4072,  
0.3423


168.6522, 0.3589,  
0.3373

 12.5500, 0.4237,  
0.3432

208.0131, 0.3557,  
0.3368

 7.1194, 0.4468,  
0.3437

253.0660, 0.3529,  
0.3364

 3.5369, 0.4814,  
0.3428

304.1953, 0.3505,

 1.4180, 0.5494,

0.3360

0.3444

361.7854, 0.3484,  
0.3357

0.2300, 0.7712,  
0.2288

0.0000, 0.0000,  
0.0000

60.4408, 0.3780,  
0.3397

60.4408, 0.3780,  
0.3397

50.7539, 0.4096,  
0.3433

71.7797, 0.3518,  
0.3360

42.6336, 0.4470,  
0.3465

84.8337, 0.3305,  
0.3324

35.9998, 0.4893,  
0.3487

99.6733, 0.3130,  
0.3291

30.7617, 0.5339,  
0.3492

99.9988, 0.3127,  
0.3290

■ 26.8188, 0.5762,  
0.3474

■ 24.0566, 0.6099,  
0.3430

■ 22.3590, 0.6307,  
0.3374

# Harmonies

## Analogous

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



60.4408, 0.3566, 0.3115



60.4408, 0.3780, 0.3397



60.4408, 0.3806, 0.3670

# Triad

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



60.4408, 0.3780, 0.3397



60.4408, 0.2995, 0.3755



60.4408, 0.2621, 0.2734

# Complementary

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



60.4408, 0.3780, 0.3397



81.9615, 0.2678, 0.3179

# 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.



60.4408, 0.2489, 0.2865



60.4408, 0.3780, 0.3397



60.4408, 0.2696, 0.3458

# Square

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



60.4408, 0.3780, 0.3397



60.4408, 0.3341, 0.3905



60.4408, 0.2515, 0.3125



60.4408, 0.2888, 0.2745



# Rectangle

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



60.4408, 0.3780, 0.3397



60.4408, 0.3715, 0.3813



60.4408, 0.2515, 0.3125



60.4408, 0.2560, 0.2762

# Sweetspot

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



60.4436, 0.3780, 0.3397



86.5288, 0.3282, 0.3320



59.7446, 0.3231, 0.2616



18.0841, 0.3309, 0.3325



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.



60.4436, 0.3780, 0.3397



54.6343, 0.3956, 0.3418



78.5773, 0.3667, 0.3775



18.3684, 0.3291, 0.3322



11.8006, 0.6288, 0.3389



1.2619, 0.6115, 0.3526

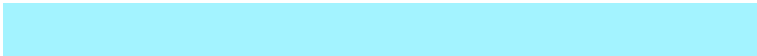


# Inverse Universe

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



81.9615, 0.2678, 0.3179



79.1520, 0.2601, 0.3155



61.5500, 0.2629, 0.2751



20.0538, 0.2980, 0.3258



31.1654, 0.2131, 0.2872

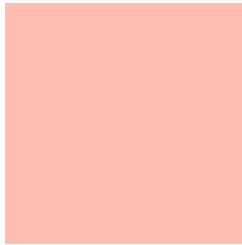


3.1420, 0.2146, 0.2924



# Previews

## White Background



This preview shows how the Yxy color 60.4408, 0.3780, 0.3397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

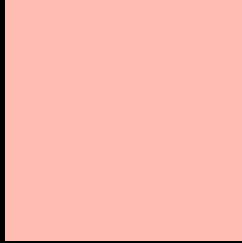
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4408, 0.3780, 0.3397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

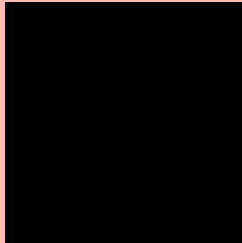
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.4408, 0.3780, 0.3397**

## Background



This preview shows how black text looks on a background with the Yxy color 60.4408, 0.3780, 0.3397.



This preview shows how white text looks on a background with the Yxy color 60.4408, 0.3780, 0.3397.

# 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

60.4408, 0.3780, 0.3397

### Protanopia

60.7280, 0.3321, 0.3501

### Deuteranopia

60.5595, 0.3593, 0.3525



## Tritanopia

60.5013, 0.3605, 0.3156

# Trichromacy



**Original Color**

60.4408, 0.3780, 0.3397

**Protanomaly**

60.3010, 0.3485, 0.3460

**Deuteranomaly**

60.6351, 0.3661, 0.3476

**Tritanomaly**

60.5622, 0.3671, 0.3250

# Monochromacy



**Original Color**

60.4408, 0.3780, 0.3397

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

61.1414, 0.3348, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4408, 0.3780, 0.3397 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, 188, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 178)  
}
```

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, 188, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4408, 0.3780, 0.3397 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, 188, 178) }
```

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

```
.border{ border-color:rgb(255, 188, 178) }
```

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

Here you see how a box with a 4 pixel rgb(255, 188, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4408, 0.3780, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 178) }
```

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

```
.background{ background-color: rgb(255,  
188, 178) }
```

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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