

# Converting Colors

$Y_{xy}(63.7175, 0.3616, 0.3273)$

Have a look what the booklet for  
Yxy(63.7175, 0.3616, 0.3273)  
contains.

<b>Yxy(63.8291, 0.3612, 0.3271)</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(63.8291, 0.3612, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2C4
RGB	255, 194, 196
RGB Percent	100%, 76%, 77%
CMY	0.0002, 0.2391, 0.2314
CMYK	0.00, 0.24, 0.23, 0.00
HSL	358°, 100%, 88%
HSV	358°, 24%, 100%
XYZ	70.4832, 63.8291, 60.8240
YIQ	212.4670, 35.7140, 13.5540

# Conversions

## Conversions Part 2

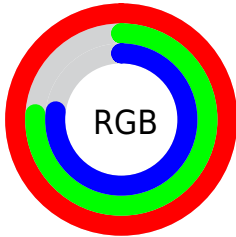
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 194, 196
Decimal	16761540
CIE <sub>Lab</sub>	83.88, 22.07, 7.49
CIE <sub>LCh</sub>	84, 23.302, 18.738
Y <sub>xy</sub>	63.8291, 0.3612, 0.3271
Android (android.graphics.Color)	4294951620 (0xFFFFC2C4)
Y <sub>UV</sub>	212.4670, -8.1182, 37.3014
Hunter-Lab	79.8931, 17.6632, 10.7867

# Details

The Yxy color **63.8291, 0.3612, 0.3271** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.0576, 0.2783, 0.3310**, and the grayscale version is **66.2026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3462, 0.3141, 0.3271**, and **32.5795, 0.3737, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **52.4057, 0.3904, 0.3263**, and if you desaturate by 10%, it is **77.3901, 0.3377, 0.3279**.

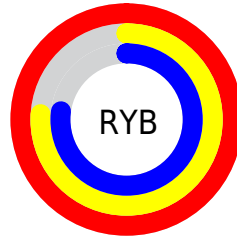
# Distribution



Red (100%)

Green (76%)

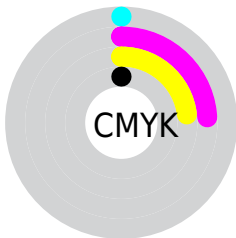
Blue (77%)



Red (100%)

Yellow (76%)

Blue (77%)

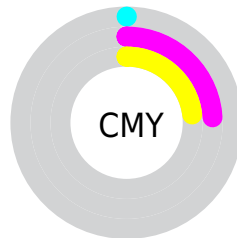


Cyan (0%)

Magenta (24%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8291, 0.3612, 0.3271 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 63.8291, 0.3612, 0.3271 by changing the saturation by 10% instead.



 63.8291, 0.3612,  
0.3271

 63.8291, 0.3612,  
0.3271

438.5722, 0.3380,  
0.3284

 46.5123, 0.3667,  
0.3267


 110.3648, 0.3530,  
0.3276

 32.6503, 0.3735,  
0.3262


140.3524, 0.3499,  
0.3278

 21.8587, 0.3823,  
0.3254


175.3324, 0.3472,  
0.3279

 13.7531, 0.3941,  
0.3242

215.6892, 0.3449,  
0.3281

 7.9491, 0.4107,  
0.3223

261.8072, 0.3428,  
0.3282

 4.0624, 0.4354,  
0.3189

314.0708, 0.3411,

 1.7085, 0.4763,

0.3282

0.3118

372.8643, 0.3395,  
0.3283

0.4292, 0.6890,  
0.3110

0.0000, 0.0000,  
0.0000

63.8291, 0.3612,  
0.3271

63.8291, 0.3612,  
0.3271

52.4057, 0.3904,  
0.3263

77.3901, 0.3377,  
0.3279

43.0026, 0.4262,  
0.3256

93.1804, 0.3190,  
0.3287

35.5048, 0.4684,  
0.3251

99.9922, 0.3127,  
0.3290

29.7823, 0.5153,  
0.3250

■ 25.6888, 0.5624,  
0.3254

■ 23.0545, 0.6027,  
0.3265

■ 21.6727, 0.6292,  
0.3281

■ 21.2702, 0.6378,  
0.3287

# Harmonies

## Analogous

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



63.8291, 0.3377, 0.3042



63.8291, 0.3612, 0.3271



63.8291, 0.3711, 0.3515

# Triad

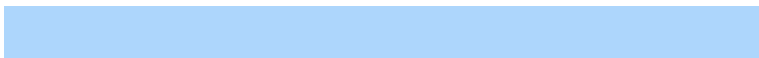
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.8291, 0.3612, 0.3271



63.8291, 0.3153, 0.3757



63.8291, 0.2628, 0.2855

# Complementary

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



63.8291, 0.3612, 0.3271



90.0576, 0.2783, 0.3310

# 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.



63.8291, 0.2576, 0.3023



63.8291, 0.3612, 0.3271



63.8291, 0.2870, 0.3556

# Square

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



63.8291, 0.3612, 0.3271



63.8291, 0.3437, 0.3812



63.8291, 0.2662, 0.3280



63.8291, 0.2808, 0.2806



# Rectangle

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



63.8291, 0.3612, 0.3271



63.8291, 0.3685, 0.3657



63.8291, 0.2662, 0.3280



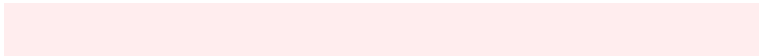
63.8291, 0.2596, 0.2898

# Sweetspot

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



63.8321, 0.3612, 0.3271



88.0722, 0.3243, 0.3285



66.6811, 0.3140, 0.2690



18.6423, 0.3254, 0.3284



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

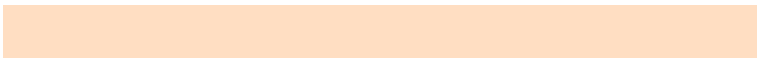
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8321, 0.3612, 0.3271



57.7652, 0.3753, 0.3267



77.6360, 0.3561, 0.3581



17.9966, 0.3289, 0.3283



11.1223, 0.6368, 0.3282



1.0861, 0.6291, 0.3239



# Inverse Universe

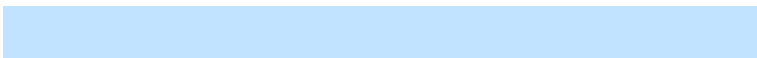
The Inverse Universe completely reimagines the original color for something new.



63.8321, 0.3612, 0.3271



57.7652, 0.3753, 0.3267



73.3676, 0.2748, 0.2980



17.9966, 0.3289, 0.3283



11.1223, 0.6368, 0.3282



1.0861, 0.6291, 0.3239



# Previews

## White Background



This preview shows how the Yxy color 63.8291, 0.3612, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

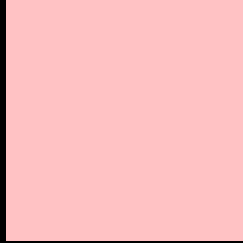
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8291, 0.3612, 0.3271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

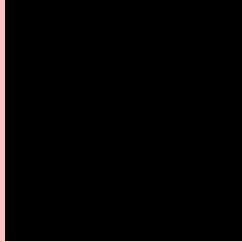
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.8291, 0.3612, 0.3271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8291, 0.3612, 0.3271.



This preview shows how white text looks on a background with the Yxy color 63.8291, 0.3612, 0.3271.

# 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

63.8291, 0.3612, 0.3271

### Protanopia

64.2567, 0.3200, 0.3347

### Deuteranopia

63.7983, 0.3448, 0.3378



## Tritanopia

63.9049, 0.3524, 0.3147

# Trichromacy



## Original Color

63.8291, 0.3612, 0.3271

## Protanomaly

64.0608, 0.3344, 0.3324

## Deuteranomaly

63.6642, 0.3503, 0.3334

## Tritanomaly

63.7117, 0.3557, 0.3188

# Monochromacy



## Original Color

63.8291, 0.3612, 0.3271

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

64.6129, 0.3297, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8291, 0.3612, 0.3271 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, 194, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 196)  
}
```

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, 194, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8291, 0.3612, 0.3271 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, 194, 196) }
```

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

```
.border{ border-color:rgb(255, 194, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 194, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8291, 0.3612, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 196) }
```

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

```
.background{ background-color: rgb(255,  
194, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor