

# Converting Colors

$Y_{xy}(91.3980, 0.4416, 0.3197)$

Have a look what the booklet for  
Yxy(91.3980, 0.4416, 0.3197)  
contains.

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# Color

**Yxy(62.8812, 0.3553, 0.3157)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFBFCC                     |
| RGB         | 255, 191, 204              |
| RGB Percent | 100%, 75%, 80%             |
| CMY         | 0.0000, 0.2510, 0.2000     |
| CMYK        | 0.00, 0.25, 0.20, 0.00     |
| HSL         | 348°, 100%, 87%            |
| HSV         | 348°, 25%, 100%            |
| XYZ         | 70.7687, 62.8812, 65.5303  |
| YIQ         | 211.6180, 33.9710, 17.6110 |

# Conversions

## Conversions Part 2

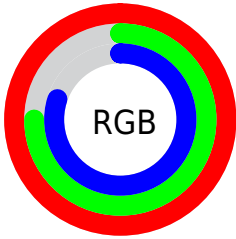
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 255, 191, 204                 |
| Decimal                             | 16760780                      |
| CIE Lab                             | 83.38, 24.82, 2.49            |
| CIE LCh                             | 83, 24.943, 5.719             |
| Yxy                                 | 62.8812, 0.3553,<br>0.3157    |
| Android<br>(android.graphics.Color) | 4294950860<br>(0xFFFFBFCC)    |
| YUV                                 | 211.6180, -3.7557,<br>38.0460 |
| Hunter-Lab                          | 79.2977, 20.5304,<br>6.5121   |

# Details

The Yxy color **62.8812, 0.3553, 0.3157** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.0080, 0.2822, 0.3428**, and the grayscale version is **65.5816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **31.9636, 0.3657, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **51.8005, 0.3796, 0.3101**, and if you desaturate by 10%, it is **76.0311, 0.3356, 0.3212**.

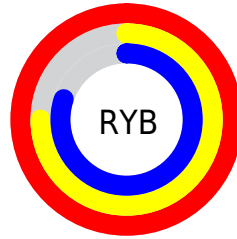
# Distribution



Red (100%)

Green (75%)

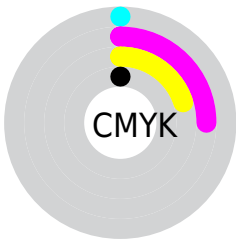
Blue (80%)



Red (100%)

Yellow (75%)

Blue (80%)

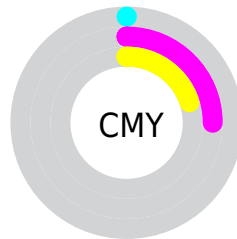


Cyan (0%)

Magenta (25%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8812, 0.3553, 0.3157 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 62.8812, 0.3553, 0.3157 by changing the saturation by 10% instead.




 62.8812, 0.3553,  
0.3157

 62.8812, 0.3553,  
0.3157

435.1382, 0.3350,  
0.3222

 45.7451, 0.3601,  
0.3141


 108.9981, 0.3481,  
0.3180

 32.0447, 0.3661,  
0.3122


138.7477, 0.3454,  
0.3189

 21.3957, 0.3738,  
0.3096


173.4706, 0.3430,  
0.3196

 13.4135, 0.3841,  
0.3062

213.5512, 0.3410,  
0.3203

 7.7139, 0.3986,  
0.3013

259.3738, 0.3392,  
0.3208

 3.9124, 0.4204,  
0.2937


311.3229, 0.3376,

 1.6247, 0.4564,

0.3213

0.2807


369.7829, 0.3362,  
0.3218


 0.3742, 0.6141,  
0.2376


 0.0000, 0.0000,  
0.0000


 62.8812, 0.3553,  
0.3157


 62.8812, 0.3553,  
0.3157

 51.8005, 0.3796,  
0.3101


 76.0311, 0.3356,  
0.3212

 42.6750, 0.4091,  
0.3049

 91.3393, 0.3196,  
0.3265

 35.3931, 0.4440,  
0.3006

99.9997, 0.3127,  
0.3290

 29.8284, 0.4835,  
0.2981

■ 25.8381, 0.5252,  
0.2985

■ 23.2564, 0.5651,  
0.3024

■ 21.8800, 0.5980,  
0.3098

■ 21.5055, 0.6108,  
0.3138

# Harmonies

## Analogous

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



62.8812, 0.3259, 0.2936



62.8812, 0.3553, 0.3157



62.8812, 0.3731, 0.3418

# Triad

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



62.8812, 0.3553, 0.3157



62.8812, 0.3291, 0.3841



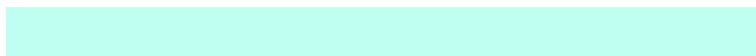
62.8812, 0.2550, 0.2885

# Complementary

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



62.8812, 0.3553, 0.3157



89.0080, 0.2822, 0.3428

# 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.



62.8812, 0.2558, 0.3113



62.8812, 0.3553, 0.3157



62.8812, 0.2976, 0.3688

# Square

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



62.8812, 0.3553, 0.3157



62.8812, 0.3572, 0.3824



62.8812, 0.2711, 0.3411



62.8812, 0.2686, 0.2777



# Rectangle

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



62.8812, 0.3553, 0.3157



62.8812, 0.3755, 0.3586



62.8812, 0.2711, 0.3411



62.8812, 0.2536, 0.2949

# Sweetspot

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



62.8841, 0.3553, 0.3157



86.6645, 0.3239, 0.3250



63.2092, 0.3052, 0.2643



18.0474, 0.3262, 0.3242



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

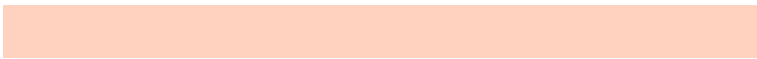
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8841, 0.3553, 0.3157



57.1964, 0.3666, 0.3130



70.6906, 0.3615, 0.3478



18.0474, 0.3262, 0.3242



11.2541, 0.6072, 0.3119



1.1105, 0.5773, 0.2954



# Inverse Universe

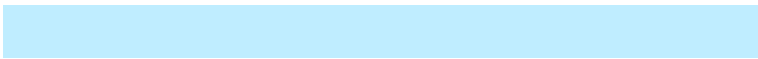
The Inverse Universe completely reimagines the original color for something new.



62.8841, 0.3553, 0.3157



57.1964, 0.3666, 0.3130



78.7892, 0.2740, 0.3093



18.0474, 0.3262, 0.3242



11.2541, 0.6072, 0.3119



1.1105, 0.5773, 0.2954



# Previews

## White Background



This preview shows how the Yxy color 62.8812, 0.3553, 0.3157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

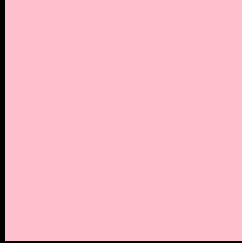
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8812, 0.3553, 0.3157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

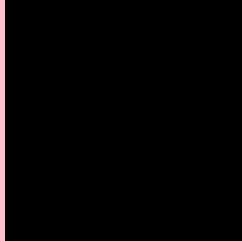
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8812, 0.3553, 0.3157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8812, 0.3553, 0.3157.



This preview shows how white text looks on a background with the Yxy color 62.8812, 0.3553, 0.3157.

# 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

62.8812, 0.3553, 0.3157

### Protanopia

63.1314, 0.3108, 0.3222

### Deuteranopia

62.8606, 0.3349, 0.3280



## Tritanopia

62.9294, 0.3545, 0.3147

# Trichromacy



## Original Color

62.8812, 0.3553, 0.3157

## Protanomaly

62.5952, 0.3257, 0.3191

## Deuteranomaly

62.5950, 0.3419, 0.3226

## Tritanomaly

62.9294, 0.3545, 0.3147

# Monochromacy



## Original Color

62.8812, 0.3553, 0.3157

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

64.2832, 0.3276, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8812, 0.3553, 0.3157 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8812, 0.3553, 0.3157 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, 204) }
```

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

```
.border{ border-color:rgb(255, 191, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8812, 0.3553, 0.3157 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
191, 204) }
```

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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