

# Converting Colors

$Y_{xy}(82.7773, 0.4207, 0.3277)$

Have a look what the booklet for  
Yxy(82.7773, 0.4207, 0.3277)  
contains.

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# Color

**Yxy(64.8171, 0.3591, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4C6
RGB	255, 196, 198
RGB Percent	100%, 77%, 78%
CMY	0.0002, 0.2313, 0.2236
CMYK	0.00, 0.23, 0.22, 0.00
HSL	358°, 100%, 88%
HSV	358°, 23%, 100%
XYZ	71.1581, 64.8171, 62.1816
YIQ	213.8690, 34.5220, 13.1300

# Conversions

## Conversions Part 2

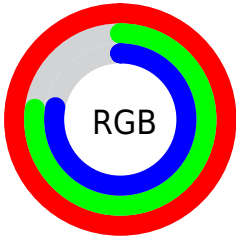
Format	Color
R <sub>Y</sub> B	255, 196, 198
Decimal	16762054
CIE Lab	84.39, 21.30, 7.15
CIE LCh	84, 22.466, 18.566
Yxy	64.8171, 0.3591, 0.3271
Android (android.graphics.Color)	4294952134 (0xFFFFC4C6)
YUV	213.8690, -7.8234, 36.0719
Hunter-Lab	80.5091, 16.8768, 10.5634

# Details

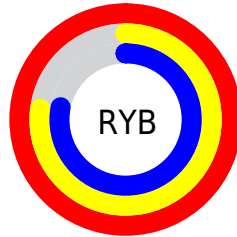
The Yxy color **64.8171, 0.3591, 0.3271** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.3179, 0.2794, 0.3310**, and the grayscale version is **67.1884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **33.2299, 0.3708, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **53.2310, 0.3878, 0.3263**, and if you desaturate by 10%, it is **78.5484, 0.3360, 0.3280**.

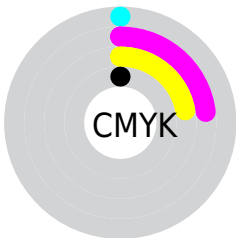
# Distribution



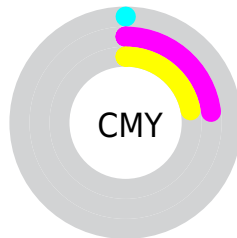
- Red (100%)
- Green (77%)
- Blue (78%)



- Red (100%)
- Yellow (77%)
- Blue (78%)



- Cyan (0%)
- Magenta (23%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8171, 0.3591, 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 64.8171, 0.3591, 0.3271 by changing the saturation by 10% instead.





 64.8171, 0.3591,  
0.3271

 64.8171, 0.3591,  
0.3271


442.1344, 0.3370,  
0.3283

 47.3128, 0.3643,  
0.3267


 111.7869, 0.3513,  
0.3276

 33.2830, 0.3708,  
0.3262


142.0211, 0.3483,  
0.3278

 22.3433, 0.3792,  
0.3255


177.2674, 0.3458,  
0.3279

 14.1094, 0.3903,  
0.3244

217.9103, 0.3435,  
0.3280

 8.1968, 0.4060,  
0.3226

264.3340, 0.3416,  
0.3281

 4.2211, 0.4293,  
0.3195


316.9230, 0.3399,

 1.7980, 0.4675,


0.3282


0.3130


376.0617, 0.3384,  
0.3283

 0.4859, 0.6578,  
0.3230


 0.0000, 0.0000,  
0.0000


 64.8171, 0.3591,  
0.3271


 64.8171, 0.3591,  
0.3271

 53.2310, 0.3878,  
0.3263


 78.5484, 0.3360,  
0.3280

 43.6735, 0.4230,  
0.3255

 94.5161, 0.3176,  
0.3288

 36.0306, 0.4647,  
0.3249

99.9903, 0.3127,  
0.3290

 30.1733, 0.5113,  
0.3248

■ 25.9568, 0.5586,  
0.3252

■ 23.2137, 0.5997,  
0.3263

■ 21.7412, 0.6276,  
0.3279

■ 21.2689, 0.6377,  
0.3287

# Harmonies

## Analogous

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



64.8171, 0.3365, 0.3051



64.8171, 0.3591, 0.3271



64.8171, 0.3687, 0.3505

# Triad

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



64.8171, 0.3591, 0.3271



64.8171, 0.3154, 0.3738



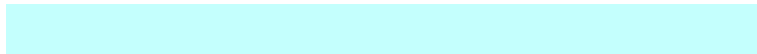
64.8171, 0.2647, 0.2873

# Complementary

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



64.8171, 0.3591, 0.3271



90.3179, 0.2794, 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.



64.8171, 0.2598, 0.3035



64.8171, 0.3591, 0.3271



64.8171, 0.2882, 0.3547

# Square

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



64.8171, 0.3591, 0.3271



64.8171, 0.3427, 0.3790



64.8171, 0.2682, 0.3283



64.8171, 0.2820, 0.2824



# Rectangle

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



64.8171, 0.3591, 0.3271



64.8171, 0.3663, 0.3642



64.8171, 0.2682, 0.3283



64.8171, 0.2616, 0.2915

# Sweetspot

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



64.8201, 0.3591, 0.3271



88.0733, 0.3243, 0.3285



67.4056, 0.3132, 0.2709



18.6426, 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.



64.8201, 0.3591, 0.3271



58.9194, 0.3724, 0.3267



77.7685, 0.3547, 0.3561



17.9969, 0.3289, 0.3283



11.1228, 0.6367, 0.3281



1.0863, 0.6287, 0.3237



# Inverse Universe

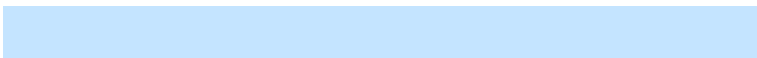
The Inverse Universe completely reimagines the original color for something new.



64.8201, 0.3591, 0.3271



58.9194, 0.3724, 0.3267



74.6827, 0.2761, 0.3003



17.9969, 0.3289, 0.3283



11.1228, 0.6367, 0.3281



1.0863, 0.6287, 0.3237



# Previews

## White Background



This preview shows how the Yxy color 64.8171, 0.3591, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

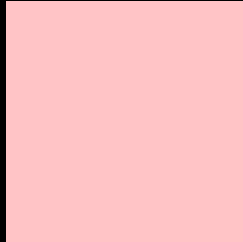
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8171, 0.3591, 0.3271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

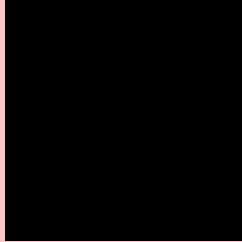
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.8171, 0.3591, 0.3271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8171, 0.3591, 0.3271.



This preview shows how white text looks on a background with the Yxy color 64.8171, 0.3591, 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

64.8171, 0.3591, 0.3271

### Protanopia

65.1483, 0.3200, 0.3335

### Deuteranopia

65.2215, 0.3438, 0.3367



## Tritanopia

64.8937, 0.3505, 0.3147

# Trichromacy



## Original Color

64.8171, 0.3591, 0.3271

## Protanomaly

64.7974, 0.3335, 0.3313

## Deuteranomaly

65.0376, 0.3500, 0.3334

## Tritanomaly

64.6980, 0.3537, 0.3188

# Monochromacy



## Original Color

64.8171, 0.3591, 0.3271

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

65.8377, 0.3288, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8171, 0.3591, 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, 196, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 198)  
}
```

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, 196, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8171, 0.3591, 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, 196, 198) }
```

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

```
.border{ border-color:rgb(255, 196, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8171, 0.3591, 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, 196, 198) }
```

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

```
.background{ background-color: rgb(255,  
196, 198) }
```

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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