

# Converting Colors

$Yxy(68.8822, 0.3515, 0.3275)$

Have a look what the booklet for  
Yxy(68.8822, 0.3515, 0.3275)  
contains.

<b>Yxy(68.9020, 0.3511, 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(68.9020, 0.3511, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCCE
RGB	255, 204, 206
RGB Percent	100%, 80%, 81%
CMY	0.0002, 0.1999, 0.1922
CMYK	0.00, 0.20, 0.19, 0.00
HSL	358°, 100%, 90%
HSV	358°, 20%, 100%
XYZ	73.9575, 68.9020, 67.7856
YIQ	219.4770, 29.7540, 11.4340

# Conversions

## Conversions Part 2

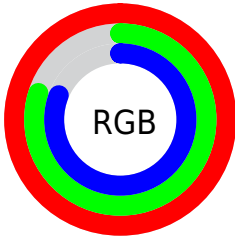
Format	Color
R <sub>Y</sub> B	255, 204, 206
Decimal	16764110
CIE Lab	86.46, 18.27, 5.87
CIE LCh	86, 19.189, 17.822
Yxy	68.9020, 0.3511, 0.3271
Android (android.graphics.Color)	4294954190 (0xFFFFCCCE)
YUV	219.4770, -6.6442, 31.1537
Hunter-Lab	83.0072, 13.7766, 9.6875

# Details

The Yxy color **68.9020, 0.3511, 0.3271** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.4186, 0.2837, 0.3309**, and the grayscale version is **71.2175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0855, 0.3607, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **56.6595, 0.3778, 0.3261**, and if you desaturate by 10%, it is **83.3203, 0.3297, 0.3281**.

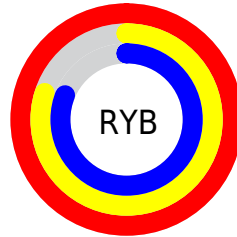
# Distribution



Red (100%)

Green (80%)

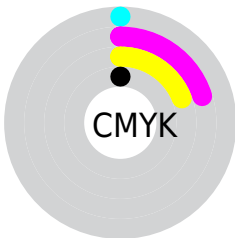
Blue (81%)



Red (100%)

Yellow (80%)

Blue (81%)

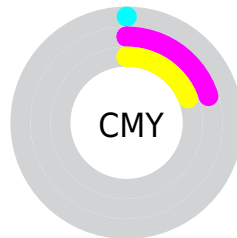


Cyan (0%)

Magenta (20%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9020, 0.3511, 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 68.9020, 0.3511, 0.3271 by changing the saturation by 10% instead.




 68.9020, 0.3511,  
0.3271

 68.9020, 0.3511,  
0.3271


456.6853, 0.3330,  
0.3282

 50.6319, 0.3553,  
0.3268

117.6416, 0.3448,  
0.3275

 35.9157, 0.3605,  
0.3264


148.8799, 0.3423,  
0.3277

 24.3691, 0.3672,  
0.3258


185.2097, 0.3402,  
0.3278

 15.6077, 0.3761,  
0.3249

227.0154, 0.3384,  
0.3279

 9.2470, 0.3883,  
0.3236

274.6814, 0.3368,  
0.3280

 4.9026, 0.4064,  
0.3214

328.5921, 0.3354,

 2.1902, 0.4355,

0.3281

0.3170

389.1320, 0.3342,  
0.3282

■ 0.7147, 0.5170,  
0.3190

■ 0.0000, 1.0000,  
0.0000

■ 68.9020, 0.3511,  
0.3271

■ 68.9020, 0.3511,  
0.3271

■ 56.6595, 0.3778,  
0.3261

■ 83.3203, 0.3297,  
0.3281

■ 46.4784, 0.4107,  
0.3252

99.9899, 0.3127,  
0.3290

■ 38.2480, 0.4502,  
0.3244

■ 31.8439, 0.4954,  
0.3240

■ 27.1267, 0.5429,  
0.3243

■ 23.9377, 0.5869,  
0.3252

■ 22.0874, 0.6198,  
0.3269

■ 21.2731, 0.6373,  
0.3285

■ 21.2714, 0.6374,  
0.3285

# Harmonies

## Analogous

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



68.9020, 0.3321, 0.3084



68.9020, 0.3511, 0.3271



68.9020, 0.3594, 0.3469

# Triad

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



68.9020, 0.3511, 0.3271



68.9020, 0.3157, 0.3664



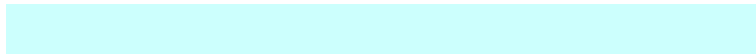
68.9020, 0.2721, 0.2943

# Complementary

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



68.9020, 0.3511, 0.3271



91.4186, 0.2837, 0.3309

# 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.



68.9020, 0.2682, 0.3083



68.9020, 0.3511, 0.3271



68.9020, 0.2928, 0.3509

# Square

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



68.9020, 0.3511, 0.3271



68.9020, 0.3384, 0.3707



68.9020, 0.2756, 0.3291



68.9020, 0.2865, 0.2897



# Rectangle

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



68.9020, 0.3511, 0.3271



68.9020, 0.3577, 0.3584



68.9020, 0.2756, 0.3291



68.9020, 0.2695, 0.2980

# Sweetspot

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



68.9051, 0.3511, 0.3271



89.7121, 0.3225, 0.3285



71.1865, 0.3132, 0.2789



18.9732, 0.3236, 0.3284



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

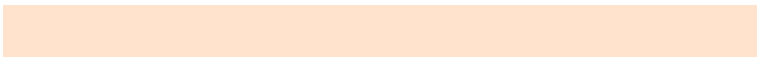
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9051, 0.3511, 0.3271



63.7472, 0.3611, 0.3267



80.5174, 0.3481, 0.3522



17.9984, 0.3288, 0.3281



11.1249, 0.6362, 0.3278



1.0870, 0.6270, 0.3228



# Inverse Universe

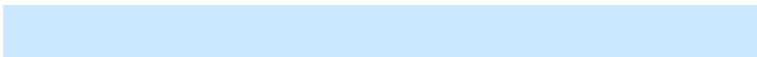
The Inverse Universe completely reimagines the original color for something new.



68.9051, 0.3511, 0.3271



63.7472, 0.3611, 0.3267



77.7903, 0.2812, 0.3046



17.9984, 0.3288, 0.3281



11.1249, 0.6362, 0.3278



1.0870, 0.6270, 0.3228



# Previews

## White Background



This preview shows how the Yxy color 68.9020, 0.3511, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

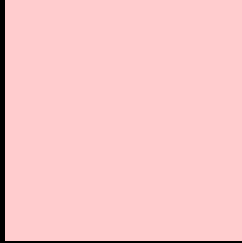
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9020, 0.3511, 0.3271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

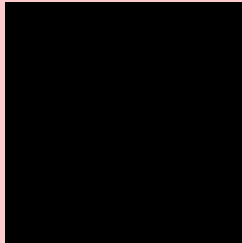
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.9020, 0.3511, 0.3271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.9020, 0.3511, 0.3271.



This preview shows how white text looks on a background with the Yxy color 68.9020, 0.3511, 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

68.9020, 0.3511, 0.3271

### Protanopia

69.2374, 0.3191, 0.3334

### Deuteranopia

68.8860, 0.3408, 0.3333



## Tritanopia

69.0338, 0.3421, 0.3138

# Trichromacy



## Original Color

68.9020, 0.3511, 0.3271

## Protanomaly

69.0637, 0.3298, 0.3312

## Deuteranomaly

68.8076, 0.3451, 0.3312

## Tritanomaly

68.8269, 0.3451, 0.3179

# Monochromacy



## Original Color

68.9020, 0.3511, 0.3271

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.1040, 0.3260, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9020, 0.3511, 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, 204, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 206)  
}
```

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, 204, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9020, 0.3511, 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, 204, 206) }
```

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

```
.border{ border-color:rgb(255, 204, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9020, 0.3511, 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, 204, 206) }
```

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

```
.background{ background-color: rgb(255,  
204, 206) }
```

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