

Converting Colors

$Y_{xy}(70.2534, 0.3447, 0.3210)$

Have a look what the booklet for
Yxy(70.2534, 0.3447, 0.3210)
contains.

Yxy(70.2577, 0.3447, 0.3209)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.2577, 0.3447, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	FFCED6
RGB	255, 206, 214
RGB Percent	100%, 81%, 84%
CMY	0.0000, 0.1922, 0.1607
CMYK	0.00, 0.19, 0.16, 0.00
HSL	350°, 100%, 90%
HSV	350°, 19%, 100%
XYZ	75.4685, 70.2577, 73.2134
YIQ	221.5630, 26.6360, 12.8760

Conversions

Conversions Part 2

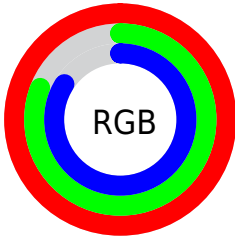
Format	Color
R _Y B	255, 206, 214
Decimal	16764630
CIE Lab	87.12, 18.50, 2.58
CIE LCh	87, 18.681, 7.946
Yxy	70.2577, 0.3447, 0.3209
Android (android.graphics.Color)	4294954710 (0xFFFFCED6)
YUV	221.5630, -3.7286, 29.3242
Hunter-Lab	83.8199, 14.0304, 6.8864

Details

The Yxy color **70.2577, 0.3447, 0.3209** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.3517, 0.2880, 0.3373**, and the grayscale version is **72.7267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9654, 0.3529, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **57.9331, 0.3673, 0.3164**, and if you desaturate by 10%, it is **84.6978, 0.3264, 0.3252**.

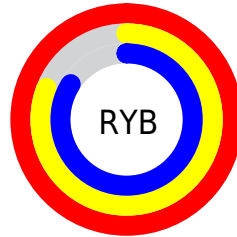
Distribution



Red (100%)

Green (81%)

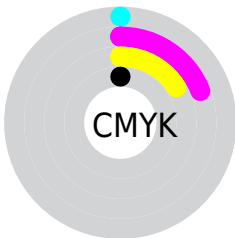
Blue (84%)



Red (100%)

Yellow (81%)

Blue (84%)

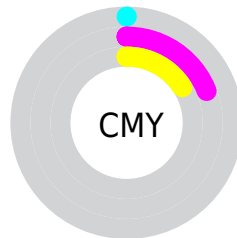


Cyan (0%)

Magenta (19%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (19%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2577, 0.3447, 0.3209 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 70.2577, 0.3447, 0.3209 by changing the saturation by 10% instead.


 70.2577, 0.3447,
0.3209

 70.2577, 0.3447,
0.3209


461.4543, 0.3297,
0.3248

 51.7367, 0.3482,
0.3200


119.5762, 0.3395,
0.3223

 36.7952, 0.3524,
0.3188


151.1424, 0.3375,
0.3228

 25.0490, 0.3579,
0.3173


187.8258, 0.3357,
0.3233

 16.1135, 0.3651,
0.3154

230.0108, 0.3342,
0.3236

 9.6045, 0.3751,
0.3126

278.0817, 0.3329,
0.3240

 5.1375, 0.3896,
0.3084

332.4230, 0.3317,

 2.3282, 0.4129,

0.3243

0.3014

393.4191, 0.3307,
0.3245

0.7886, 0.4611,
0.2898

0.0000, 1.0000,
0.0000

70.2577, 0.3447,
0.3209

70.2577, 0.3447,
0.3209

57.9331, 0.3673,
0.3164

84.6978, 0.3264,
0.3252

47.6505, 0.3951,
0.3120

100.0000, 0.3127,
0.3290

39.2911, 0.4286,
0.3081

32.7346, 0.4676,
0.3053

■ 27.8477, 0.5103,
0.3045

■ 24.4780, 0.5532,
0.3064

■ 22.4453, 0.5908,
0.3113

■ 21.4809, 0.6182,
0.3184

■ 21.4259, 0.6199,
0.3189

Harmonies

Analogous

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



70.2577, 0.3241, 0.3041



70.2577, 0.3447, 0.3209



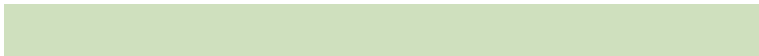
70.2577, 0.3566, 0.3402

Triad

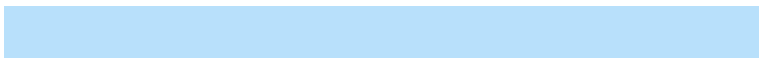
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2577, 0.3447, 0.3209



70.2577, 0.3232, 0.3678



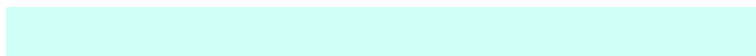
70.2577, 0.2709, 0.2989

Complementary

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



70.2577, 0.3447, 0.3209



91.3517, 0.2880, 0.3373

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.



70.2577, 0.2708, 0.3152



70.2577, 0.3447, 0.3209



70.2577, 0.3004, 0.3560

Square

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



70.2577, 0.3447, 0.3209



70.2577, 0.3438, 0.3680



70.2577, 0.2814, 0.3363



70.2577, 0.2818, 0.2913

Rectangle

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



70.2577, 0.3447, 0.3209



70.2577, 0.3577, 0.3523



70.2577, 0.2814, 0.3363



70.2577, 0.2696, 0.3035

Sweetspot

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



70.2484, 0.3446, 0.3209



89.8271, 0.3213, 0.3266



71.0956, 0.3091, 0.2802



19.0002, 0.3223, 0.3263



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.



70.2484, 0.3446, 0.3209



65.3527, 0.3526, 0.3192



78.1275, 0.3477, 0.3457



18.0357, 0.3268, 0.3251



11.2097, 0.6168, 0.3171



1.1045, 0.5889, 0.3018

Inverse Universe

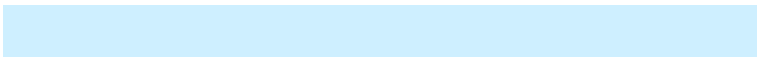
The Inverse Universe completely reimagines the original color for something new.



70.2484, 0.3446, 0.3209



65.3527, 0.3526, 0.3192



81.8726, 0.2828, 0.3117



18.0357, 0.3268, 0.3251



11.2097, 0.6168, 0.3171



1.1045, 0.5889, 0.3018

Previews

White Background



This preview shows how the Yxy color 70.2577, 0.3447, 0.3209 looks on a white background.

Color Contrast Check

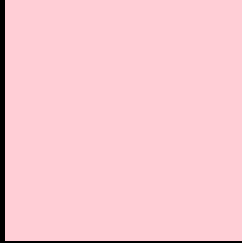
Large Text (above 18pt) WCAG AA × Fail

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 70.2577, 0.3447, 0.3209 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 70.2577, 0.3447, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 70.2577, 0.3447, 0.3209.

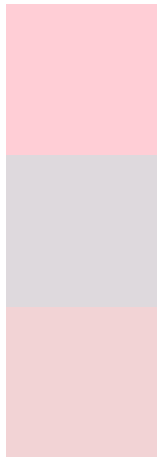


This preview shows how white text looks on a background with the Yxy color 70.2577, 0.3447, 0.3209.

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

70.2577, 0.3447, 0.3209

Protanopia

70.3758, 0.3136, 0.3247

Deuteranopia

70.2699, 0.3347, 0.3270



Tritanopia

70.1431, 0.3395, 0.3129

Trichromacy



Original Color

70.2577, 0.3447, 0.3209

Protanomaly

70.1429, 0.3248, 0.3237

Deuteranomaly

70.1792, 0.3388, 0.3249

Tritanomaly

69.9846, 0.3418, 0.3159

Monochromacy



Original Color

70.2577, 0.3447, 0.3209

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.7186, 0.3238, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2577, 0.3447, 0.3209 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, 206, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 214)  
}
```

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, 206, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 214) }
```

Border

The CSS property to change the border of an element to Yxy 70.2577, 0.3447, 0.3209 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, 206, 214) }
```

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

```
.border{ border-color:rgb(255, 206, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2577, 0.3447, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 214) }
```

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

```
.background{ background-color: rgb(255,  
206, 214) }
```

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