

Converting Colors

$Y_{xy}(70.8413, 0.3371, 0.3110)$

Have a look what the booklet for
Yxy(70.8413, 0.3371, 0.3110)
contains.

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Color

Yxy(70.7844, 0.3372, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	FFCEE0
RGB	255, 206, 224
RGB Percent	100%, 81%, 88%
CMY	0.0000, 0.1922, 0.1217
CMYK	0.00, 0.19, 0.12, 0.00
HSL	338°, 100%, 90%
HSV	338°, 19%, 100%
XYZ	76.7723, 70.7844, 80.1191
YIQ	222.7030, 23.4260, 15.9860

Conversions

Conversions Part 2

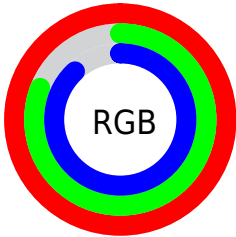
Format	Color
R _Y B	255, 206, 224
Decimal	16764640
CIE Lab	87.38, 20.04, -2.32
CIE LCh	87, 20.179, 353.402
Yxy	70.7844, 0.3372, 0.3109
Android (android.graphics.Color)	4294954720 (0xFFFFCEE0)
YUV	222.7030, 0.6394, 28.3245
Hunter-Lab	84.1335, 15.6487, 2.4324

Details

The Yxy color $70.7844, 0.3372, 0.3109$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $90.7568, 0.2932, 0.3479$, and the grayscale version is $73.5482, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.3268, 0.3429, 0.3071$ is the 20% darker color. If you saturate the color by 10%, you get $58.6488, 0.3541, 0.3009$, and if you desaturate by 10%, it is $84.9880, 0.3233, 0.3206$.

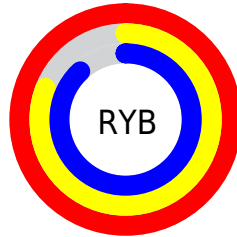
Distribution



Red (100%)

Green (81%)

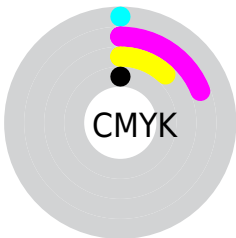
Blue (88%)



Red (100%)

Yellow (81%)

Blue (88%)

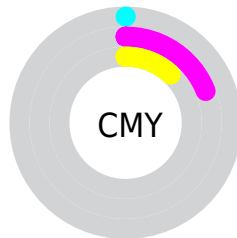


Cyan (0%)

Magenta (19%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7844, 0.3372, 0.3109 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 70.7844, 0.3372, 0.3109 by changing the saturation by 10% instead.


 70.7844, 0.3372,
0.3109

 70.7844, 0.3372,
0.3109


463.2994, 0.3259,
0.3192

 52.1663, 0.3398,
0.3090


120.3267, 0.3333,
0.3138

 37.1376, 0.3430,
0.3067


152.0196, 0.3317,
0.3149

 25.3141, 0.3471,
0.3037


188.8396, 0.3304,
0.3159

 16.3112, 0.3524,
0.2998

231.1711, 0.3293,
0.3167

 9.7446, 0.3598,
0.2946

279.3984, 0.3283,
0.3175

 5.2300, 0.3704,
0.2871

333.9060, 0.3274,

 2.3828, 0.3871,

0.3181

0.2754

395.0782, 0.3266,
0.3187

0.8170, 0.4175,
0.2543

0.0000, 1.0000,
0.0000

70.7844, 0.3372,
0.3109

70.7844, 0.3372,
0.3109

58.6488, 0.3541,
0.3009

84.9880, 0.3233,
0.3206

48.4932, 0.3746,
0.2909

100.0000, 0.3127,
0.3290

40.2080, 0.3989,
0.2817

33.6769, 0.4271,
0.2741

■ 28.7704, 0.4586,
0.2694

■ 25.3410, 0.4917,
0.2688

■ 23.2138, 0.5243,
0.2735

■ 22.1264, 0.5538,
0.2829

■ 22.0603, 0.5560,
0.2837

Harmonies

Analogous

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



70.7844, 0.3128, 0.2956



70.7844, 0.3372, 0.3109



70.7844, 0.3553, 0.3309

Triad

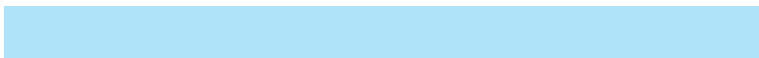
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7844, 0.3372, 0.3109



70.7844, 0.3354, 0.3726



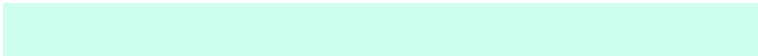
70.7844, 0.2662, 0.3040

Complementary

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



70.7844, 0.3372, 0.3109



90.7568, 0.2932, 0.3479

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.



70.7844, 0.2718, 0.3248



70.7844, 0.3372, 0.3109



70.7844, 0.3112, 0.3658

Square

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



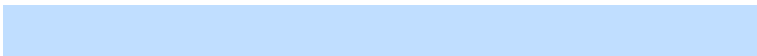
70.7844, 0.3372, 0.3109



70.7844, 0.3541, 0.3668



70.7844, 0.2880, 0.3479



70.7844, 0.2724, 0.2911

Rectangle

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



70.7844, 0.3372, 0.3109



70.7844, 0.3610, 0.3447



70.7844, 0.2880, 0.3479



70.7844, 0.2667, 0.3103

Sweetspot

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



70.7810, 0.3372, 0.3109



90.0154, 0.3194, 0.3236



69.2302, 0.3015, 0.2791



19.0446, 0.3201, 0.3230



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.



70.7810, 0.3372, 0.3109



65.9530, 0.3432, 0.3071



72.6595, 0.3497, 0.3349



18.0973, 0.3236, 0.3203



11.5532, 0.5517, 0.2813



1.1451, 0.5206, 0.2641

Inverse Universe

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



70.7810, 0.3372, 0.3109



65.9530, 0.3432, 0.3071



88.2675, 0.2834, 0.3230



18.0973, 0.3236, 0.3203



11.5532, 0.5517, 0.2813



1.1451, 0.5206, 0.2641

Previews

White Background



This preview shows how the Yxy color 70.7844, 0.3372, 0.3109 looks on a white background.

Color Contrast Check

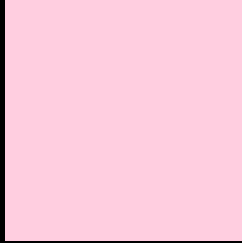
Large Text (above 18pt) WCAG AA × Fail

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 70.7844, 0.3372, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

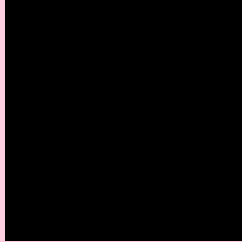
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7844, 0.3372, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 70.7844, 0.3372, 0.3109.

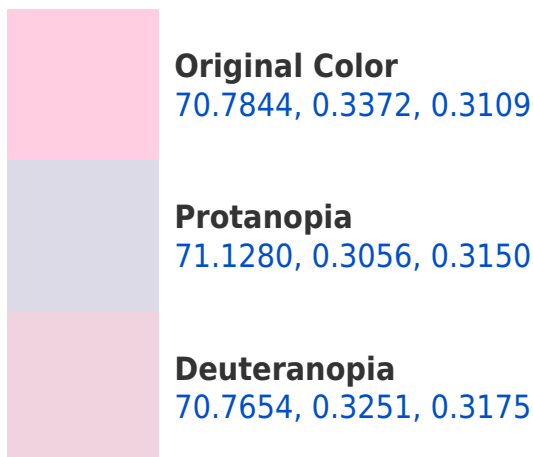


This preview shows how white text looks on a background with the Yxy color 70.7844, 0.3372, 0.3109.

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





Tritanopia

70.6765, 0.3386, 0.3129

Trichromacy



Original Color

70.7844, 0.3372, 0.3109

Protanomaly

71.0182, 0.3171, 0.3142

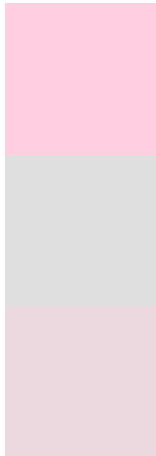
Deuteranomaly

70.8334, 0.3298, 0.3156

Tritanomaly

70.7303, 0.3379, 0.3119

Monochromacy



Original Color

70.7844, 0.3372, 0.3109

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.6156, 0.3217, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7844, 0.3372, 0.3109 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.7844, 0.3372, 0.3109 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, 224) }
```

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

```
.border{ border-color:rgb(255, 206, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 206, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 206, 224); box-shadow:4px 4px 4px 4px rgb(255, 206, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7844, 0.3372, 0.3109 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
206, 224) }
```

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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