

Converting Colors

$Y_{xy}(70.2492, 0.3318, 0.3013)$

Have a look what the booklet for
Yxy(70.2492, 0.3318, 0.3013)
contains.

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Color

Yxy(70.2719, 0.3315, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCE8
RGB	255, 204, 232
RGB Percent	100%, 80%, 91%
CMY	0.0000, 0.2000, 0.0904
CMYK	0.00, 0.20, 0.09, 0.00
HSL	327°, 100%, 90%
HSV	327°, 20%, 100%
XYZ	77.3925, 70.2719, 85.7971
YIQ	222.4410, 21.4080, 19.5200

Conversions

Conversions Part 2

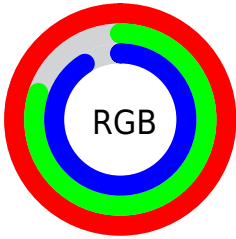
Format	Color
R _Y B	255, 204, 232
Decimal	16764136
CIE Lab	87.13, 22.37, -6.92
CIE LCh	87, 23.419, 342.818
Yxy	70.2719, 0.3315, 0.3010
Android (android.graphics.Color)	4294954216 (0xFFFFCCE8)
YUV	222.4410, 4.7126, 28.5542
Hunter-Lab	83.8283, 18.0962, -2.0026

Details

The Yxy color **70.2719, 0.3315, 0.3010** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.9063, 0.2975, 0.3588**, and the grayscale version is **73.3302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9530, 0.3363, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **58.4952, 0.3437, 0.2863**, and if you desaturate by 10%, it is **84.0822, 0.3212, 0.3154**.

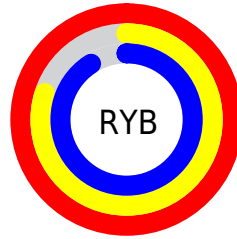
Distribution



Red (100%)

Green (80%)

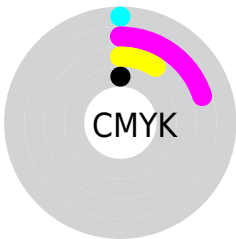
Blue (91%)



Red (100%)

Yellow (80%)

Blue (91%)

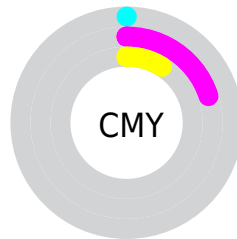


Cyan (0%)

Magenta (20%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2719, 0.3315, 0.3010 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 70.2719, 0.3315, 0.3010 by changing the saturation by 10% instead.

 70.2719, 0.3315,
0.3010

 70.2719, 0.3315,
0.3010


461.5041, 0.3229,
0.3137

 51.7482, 0.3334,
0.2981


119.5964, 0.3285,
0.3054

 36.8044, 0.3358,
0.2946


151.1661, 0.3274,
0.3071

 25.0561, 0.3389,
0.2902


187.8532, 0.3264,
0.3086

 16.1189, 0.3428,
0.2845

230.0421, 0.3255,
0.3099

 9.6083, 0.3481,
0.2769

278.1173, 0.3247,
0.3110

 5.1400, 0.3556,
0.2661


332.4630, 0.3241,


 2.3297, 0.3672,


0.3120


0.2497


393.4639, 0.3234,
0.3129


 0.7893, 0.3877,
0.2213


 0.0000, 0.6394,
0.0000

 70.2719, 0.3315,
0.3010


 70.2719, 0.3315,
0.3010

 58.4952, 0.3437,
0.2863

 84.0822, 0.3212,
0.3154

 48.6454, 0.3582,
0.2717

99.9995, 0.3127,
0.3290

 40.6203, 0.3749,
0.2580

 34.3045, 0.3938,
0.2463

■ 29.5690, 0.4145,
0.2379

■ 26.2664, 0.4363,
0.2338

■ 24.2211, 0.4582,
0.2351

■ 23.1467, 0.4793,
0.2414

■ 23.1462, 0.4794,
0.2414

Harmonies

Analogous

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



70.2719, 0.3025, 0.2864



70.2719, 0.3315, 0.3010



70.2719, 0.3562, 0.3225

Triad

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



70.2719, 0.3315, 0.3010



70.2719, 0.3478, 0.3790



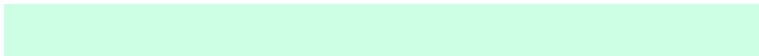
70.2719, 0.2596, 0.3074

Complementary

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



70.2719, 0.3315, 0.3010



89.9063, 0.2975, 0.3588

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.



70.2719, 0.2706, 0.3335



70.2719, 0.3315, 0.3010



70.2719, 0.3209, 0.3767

Square

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



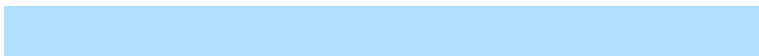
70.2719, 0.3315, 0.3010



70.2719, 0.3656, 0.3673



70.2719, 0.2928, 0.3596



70.2719, 0.2620, 0.2890

Rectangle

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



70.2719, 0.3315, 0.3010



70.2719, 0.3664, 0.3385



70.2719, 0.2928, 0.3596



70.2719, 0.2618, 0.3156

Sweetspot

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



70.2750, 0.3315, 0.3010



90.1864, 0.3176, 0.3209



66.7352, 0.2949, 0.2760



19.0850, 0.3182, 0.3200



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.



70.2750, 0.3315, 0.3010



65.3198, 0.3362, 0.2951



68.9348, 0.3507, 0.3265



18.1537, 0.3208, 0.3160



12.1252, 0.4760, 0.2396



1.2026, 0.4534, 0.2271

Inverse Universe

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



70.2750, 0.3315, 0.3010



65.3198, 0.3362, 0.2951



91.4142, 0.2840, 0.3316



18.1537, 0.3208, 0.3160



12.1252, 0.4760, 0.2396



1.2026, 0.4534, 0.2271

Previews

White Background



This preview shows how the Yxy color 70.2719, 0.3315, 0.3010 looks on a white background.

Color Contrast Check

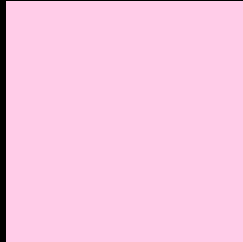
Large Text (above 18pt) WCAG AA × Fail

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 70.2719, 0.3315, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

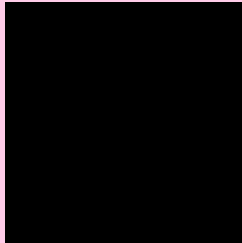
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2719, 0.3315, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 70.2719, 0.3315, 0.3010.

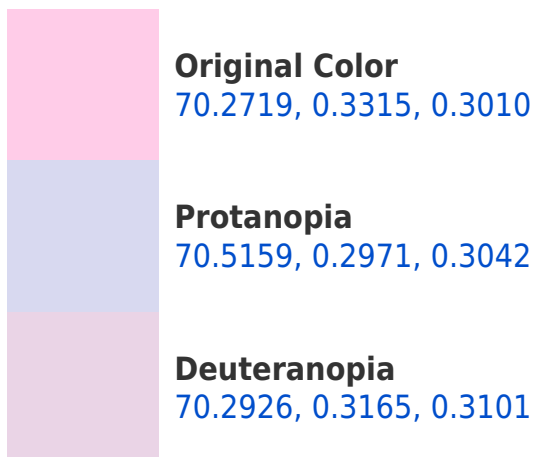


This preview shows how white text looks on a background with the Yxy color 70.2719, 0.3315, 0.3010.

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

70.4874, 0.3379, 0.3128

Trichromacy



Original Color

70.2719, 0.3315, 0.3010

Protanomaly

70.0244, 0.3089, 0.3027

Deuteranomaly

70.2477, 0.3220, 0.3063

Tritanomaly

70.2245, 0.3350, 0.3078

Monochromacy



Original Color

70.2719, 0.3315, 0.3010

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.5843, 0.3191, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2719, 0.3315, 0.3010 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 232) }
```

Border

The CSS property to change the border of an element to Yxy 70.2719, 0.3315, 0.3010 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, 232) }
```

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

```
.border{ border-color:rgb(255, 204, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2719, 0.3315, 0.3010 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
204, 232) }
```

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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