

Converting Colors

$Y_{xy}(70.2277, 0.3320, 0.3017)$

Have a look what the booklet for
Yxy(70.2277, 0.3320, 0.3017)
contains.

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Color

Yxy(70.2153, 0.3322, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCE7
RGB	255, 204, 231
RGB Percent	100%, 80%, 91%
CMY	0.0000, 0.2000, 0.0940
CMYK	0.00, 0.20, 0.09, 0.00
HSL	328°, 100%, 90%
HSV	328°, 20%, 100%
XYZ	77.2624, 70.2153, 85.1003
YIQ	222.3270, 21.7290, 19.2090

Conversions

Conversions Part 2

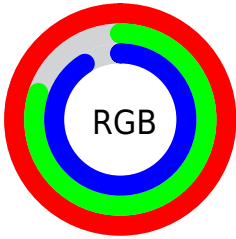
Format	Color
R _Y B	255, 204, 231
Decimal	16764135
CIE Lab	87.10, 22.23, -6.46
CIE LCh	87, 23.152, 343.786
Yxy	70.2153, 0.3322, 0.3019
Android (android.graphics.Color)	4294954215 (0xFFFFCCE7)
YUV	222.3270, 4.2758, 28.6542
Hunter-Lab	83.7946, 17.9446, -1.5577

Details

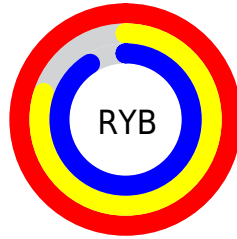
The Yxy color **70.2153, 0.3322, 0.3019** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.9571, 0.2970, 0.3578**, and the grayscale version is **73.2484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9136, 0.3373, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **58.4162, 0.3449, 0.2876**, and if you desaturate by 10%, it is **84.0469, 0.3215, 0.3158**.

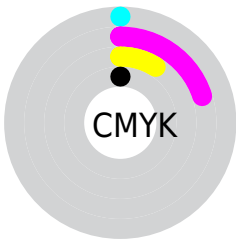
Distribution



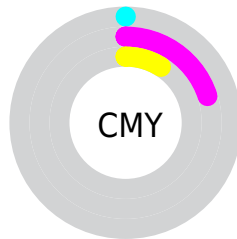
- Red (100%)
- Green (80%)
- Blue (91%)



- 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 70.2153, 0.3322, 0.3019 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 70.2153, 0.3322, 0.3019 by changing the saturation by 10% instead.

 70.2153, 0.3322,
0.3019

 70.2153, 0.3322,
0.3019

461.3056, 0.3233,
0.3143

 51.7021, 0.3342,
0.2991

119.5157, 0.3291,
0.3061

 36.7677, 0.3367,
0.2957


151.0717, 0.3279,
0.3078

 25.0277, 0.3399,
0.2914


187.7441, 0.3269,
0.3092

 16.0977, 0.3440,
0.2859

229.9173, 0.3260,
0.3105

 9.5933, 0.3495,
0.2784

277.9756, 0.3252,
0.3116

 5.1301, 0.3574,
0.2679

332.3035, 0.3245,

 2.3238, 0.3697,

0.3126

0.2519

393.2854, 0.3238,
0.3135

0.7863, 0.3914,
0.2239

0.0000, 0.6984,
0.0000

70.2153, 0.3322,
0.3019

70.2153, 0.3322,
0.3019

58.4162, 0.3449,
0.2876

84.0469, 0.3215,
0.3158

48.5497, 0.3600,
0.2735

99.9992, 0.3127,
0.3290

40.5110, 0.3774,
0.2603

100.0000, 0.3127,
0.3290

34.1847, 0.3973,
0.2490

■ 29.4417, 0.4191,
0.2409

■ 26.1344, 0.4420,
0.2373

■ 24.0871, 0.4651,
0.2390

■ 23.0130, 0.4872,
0.2458

Harmonies

Analogous

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



70.2153, 0.3035, 0.2871



70.2153, 0.3322, 0.3019



70.2153, 0.3564, 0.3233

Triad

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



70.2153, 0.3322, 0.3019



70.2153, 0.3466, 0.3786



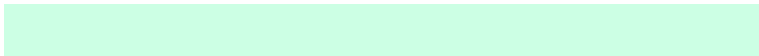
70.2153, 0.2601, 0.3070

Complementary

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



70.2153, 0.3322, 0.3019



89.9571, 0.2970, 0.3578

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.



70.2153, 0.2705, 0.3326



70.2153, 0.3322, 0.3019



70.2153, 0.3199, 0.3758

Square

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



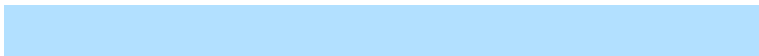
70.2153, 0.3322, 0.3019



70.2153, 0.3647, 0.3674



70.2153, 0.2921, 0.3585



70.2153, 0.2629, 0.2890

Rectangle

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



70.2153, 0.3322, 0.3019



70.2153, 0.3661, 0.3392



70.2153, 0.2921, 0.3585



70.2153, 0.2621, 0.3149

Sweetspot

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



70.2162, 0.3322, 0.3019



90.1691, 0.3178, 0.3212



66.8664, 0.2955, 0.2761



19.0809, 0.3184, 0.3203



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.



70.2162, 0.3322, 0.3019



65.2583, 0.3370, 0.2962



68.8868, 0.3514, 0.3274



18.1480, 0.3211, 0.3165



12.0553, 0.4837, 0.2438



1.1959, 0.4600, 0.2308

Inverse Universe

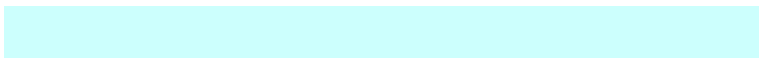
The Inverse Universe completely reimagines the original color for something new.



70.2162, 0.3322, 0.3019



65.2583, 0.3370, 0.2962



91.4682, 0.2836, 0.3307



18.1480, 0.3211, 0.3165



12.0553, 0.4837, 0.2438



1.1959, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 70.2153, 0.3322, 0.3019 looks on a white background.

Color Contrast Check

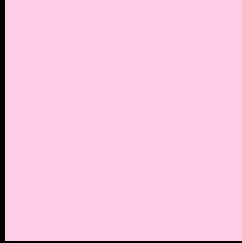
Large Text (above 18pt) WCAG AA × Fail

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 70.2153, 0.3322, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

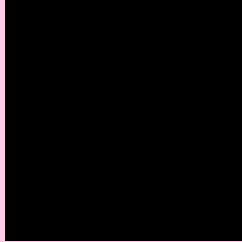
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2153, 0.3322, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 70.2153, 0.3322, 0.3019.



This preview shows how white text looks on a background with the Yxy color 70.2153, 0.3322, 0.3019.

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

70.2153, 0.3322, 0.3019

Protanopia

70.4566, 0.2977, 0.3053

Deuteranopia

70.4623, 0.3173, 0.3101



Tritanopia

70.4874, 0.3379, 0.3128

Trichromacy



Original Color

70.2153, 0.3322, 0.3019

Protanomaly

69.9661, 0.3096, 0.3037

Deuteranomaly

70.1913, 0.3227, 0.3073

Tritanomaly

70.1697, 0.3358, 0.3088

Monochromacy



Original Color

70.2153, 0.3322, 0.3019

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.5295, 0.3198, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2153, 0.3322, 0.3019 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 231) }
```

Border

The CSS property to change the border of an element to Yxy 70.2153, 0.3322, 0.3019 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, 231) }
```

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

```
.border{ border-color:rgb(255, 204, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2153, 0.3322, 0.3019 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, 231) }
```

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

```
.background{ background-color: rgb(255,  
204, 231) }
```

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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