

Converting Colors

$Y_{xy}(70.6335, 0.3269, 0.2949)$

Have a look what the booklet for
Yxy(70.6335, 0.3269, 0.2949)
contains.

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Color

Yxy(70.6188, 0.3271, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCEE
RGB	255, 204, 238
RGB Percent	100%, 80%, 93%
CMY	0.0000, 0.2000, 0.0666
CMYK	0.00, 0.20, 0.07, 0.00
HSL	320°, 100%, 90%
HSV	320°, 20%, 100%
XYZ	78.2765, 70.6188, 90.4093
YIQ	223.1250, 19.4820, 21.3860

Conversions

Conversions Part 2

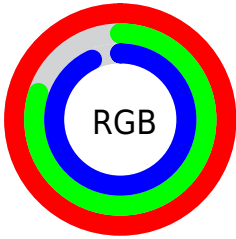
Format	Color
R _Y B	255, 204, 238
Decimal	16764142
CIE Lab	87.30, 23.41, -9.88
CIE LCh	87, 25.413, 337.125
Yxy	70.6188, 0.3271, 0.2951
Android (android.graphics.Color)	4294954222 (0xFFFFCCEE)
YUV	223.1250, 7.3334, 27.9544
Hunter-Lab	84.0350, 19.2072, -4.9628

Details

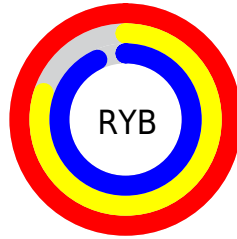
The Yxy color $70.6188, 0.3271, 0.2951$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.5749, 0.3008, 0.3655$, and the grayscale version is $73.8186, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.1959, 0.3305, 0.2883$ is the 20% darker color. If you saturate the color by 10%, you get $58.9834, 0.3362, 0.2774$, and if you desaturate by 10%, it is $84.2557, 0.3193, 0.3124$.

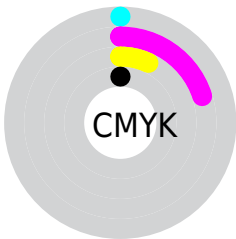
Distribution



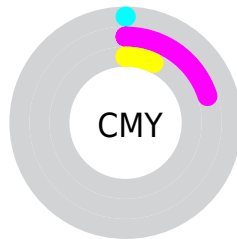
- Red (100%)
- Green (80%)
- Blue (93%)



- Red (100%)
- Yellow (80%)
- Blue (93%)



- Cyan (0%)
- Magenta (20%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6188, 0.3271, 0.2951 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 70.6188, 0.3271, 0.2951 by changing the saturation by 10% instead.


 70.6188, 0.3271,
0.2951

 70.6188, 0.3271,
0.2951


462.7197, 0.3206,
0.3104

 52.0312, 0.3285,
0.2917


120.0908, 0.3249,
0.3003

 37.0299, 0.3303,
0.2875


151.7439, 0.3240,
0.3024

 25.2307, 0.3325,
0.2823


188.5210, 0.3233,
0.3042

 16.2490, 0.3353,
0.2756

230.8065, 0.3226,
0.3057

 9.7005, 0.3391,
0.2666

278.9847, 0.3220,
0.3071

 5.2008, 0.3443,
0.2541

333.4400, 0.3215,

 2.3656, 0.3520,

0.3083

0.2354

394.5569, 0.3210,
0.3094

0.8081, 0.3648,
0.2041

0.0000, 0.4405,
0.0000

70.6188, 0.3271,
0.2951

70.6188, 0.3271,
0.2951

58.9834, 0.3362,
0.2774

84.2557, 0.3193,
0.3124

49.2623, 0.3468,
0.2601

99.9939, 0.3127,
0.3290

41.3475, 0.3587,
0.2438

100.0000, 0.3127,
0.3290

35.1239, 0.3719,
0.2296

■ 30.4632, 0.3861,
0.2188

■ 27.2187, 0.4009,
0.2123

■ 25.2152, 0.4155,
0.2108

■ 24.1668, 0.4298,
0.2141

Harmonies

Analogous

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



70.6188, 0.2958, 0.2812



70.6188, 0.3271, 0.2951



70.6188, 0.3556, 0.3171

Triad

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



70.6188, 0.3271, 0.2951



70.6188, 0.3552, 0.3818



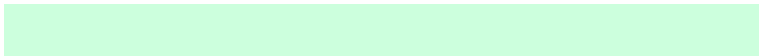
70.6188, 0.2566, 0.3104

Complementary

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



70.6188, 0.3271, 0.2951



89.5749, 0.3008, 0.3655

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.



70.6188, 0.2709, 0.3395



70.6188, 0.3271, 0.2951



70.6188, 0.3274, 0.3826

Square

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



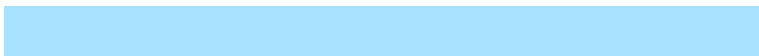
70.6188, 0.3271, 0.2951



70.6188, 0.3720, 0.3665



70.6188, 0.2965, 0.3669



70.6188, 0.2564, 0.2885

Rectangle

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



70.6188, 0.3271, 0.2951



70.6188, 0.3685, 0.3342



70.6188, 0.2965, 0.3669



70.6188, 0.2598, 0.3197

Sweetspot

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



70.6156, 0.3271, 0.2951



90.3000, 0.3165, 0.3192



65.6394, 0.2902, 0.2753



19.1119, 0.3170, 0.3181



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.



70.6156, 0.3271, 0.2951



65.7313, 0.3306, 0.2881



69.2628, 0.3455, 0.3196



18.1915, 0.3189, 0.3133



12.6566, 0.4275, 0.2129



1.2526, 0.4122, 0.2044

Inverse Universe

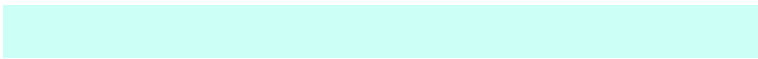
The Inverse Universe completely reimagines the original color for something new.



70.6156, 0.3271, 0.2951



65.7313, 0.3306, 0.2881



90.9883, 0.2875, 0.3387



18.1915, 0.3189, 0.3133



12.6566, 0.4275, 0.2129



1.2526, 0.4122, 0.2044

Previews

White Background



This preview shows how the Yxy color 70.6188, 0.3271, 0.2951 looks on a white background.

Color Contrast Check

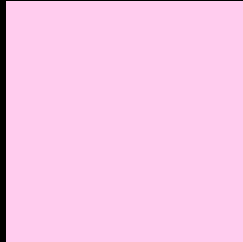
Large Text (above 18pt) WCAG AA × Fail

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 70.6188, 0.3271, 0.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

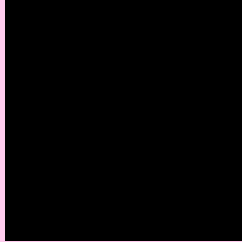
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6188, 0.3271, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 70.6188, 0.3271, 0.2951.



This preview shows how white text looks on a background with the Yxy color 70.6188, 0.3271, 0.2951.

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

70.6188, 0.3271, 0.2951

Protanopia

70.7266, 0.2927, 0.2980

Deuteranopia

70.8004, 0.3110, 0.3049



Tritanopia

70.8360, 0.3362, 0.3128

Trichromacy



Original Color

70.6188, 0.3271, 0.2951

Protanomaly

70.3810, 0.3049, 0.2966

Deuteranomaly

70.7329, 0.3162, 0.3012

Tritanomaly

70.8149, 0.3334, 0.3069

Monochromacy



Original Color

70.6188, 0.3271, 0.2951

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.3753, 0.3184, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6188, 0.3271, 0.2951 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 238) }
```

Border

The CSS property to change the border of an element to Yxy 70.6188, 0.3271, 0.2951 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, 238) }
```

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

```
.border{ border-color:rgb(255, 204, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6188, 0.3271, 0.2951 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
204, 238) }
```

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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