

Converting Colors

$Y_{xy}(68.6970, 0.3130, 0.2737)$

Have a look what the booklet for
Yxy(68.6970, 0.3130, 0.2737)
contains.

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Color

Yxy(68.7623, 0.3131, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	FCC7FF
RGB	252, 199, 255
RGB Percent	99%, 78%, 100%
CMY	0.0116, 0.2197, 0.0000
CMYK	0.01, 0.22, 0.00, 0.00
HSL	297°, 100%, 89%
HSV	297°, 22%, 100%
XYZ	78.6321, 68.7623, 103.7462
YIQ	221.2310, 13.6120, 28.6520

Conversions

Conversions Part 2

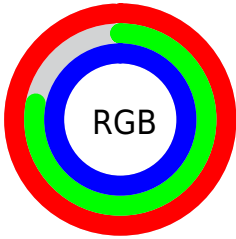
Format	Color
R _Y B	252, 199, 255
Decimal	16566271
CIE Lab	86.39, 28.06, -20.28
CIE LCh	86, 34.619, 324.148
Yxy	68.7623, 0.3131, 0.2738
Android (android.graphics.Color)	4294756351 (0xFFFC7FF)
YUV	221.2310, 16.6481, 26.9844
Hunter-Lab	82.9230, 24.1481, -16.1324

Details

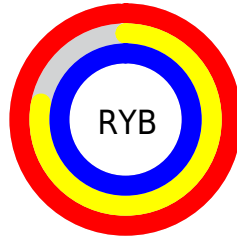
The Yxy color **68.7623, 0.3131, 0.2738** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1908, 0.3116, 0.3903**, and the grayscale version is **72.3539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9301, 0.3129, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **57.7478, 0.3131, 0.2485**, and if you desaturate by 10%, it is **81.7488, 0.3130, 0.2993**.

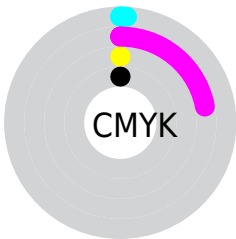
Distribution



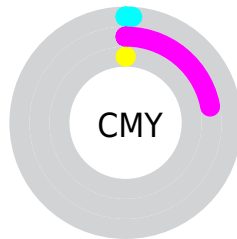
- Red (99%)
- Green (78%)
- Blue (100%)



- Red (99%)
- Yellow (78%)
- Blue (100%)



- Cyan (1%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7623, 0.3131, 0.2738 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 68.7623, 0.3131, 0.2738 by changing the saturation by 10% instead.

 68.7623, 0.3131,
0.2738

 68.7623, 0.3131,
0.2738

456.1922, 0.3134,
0.2984

 50.5182, 0.3129,
0.2684


117.4420, 0.3133,
0.2822

 35.8253, 0.3127,
0.2619


148.6464, 0.3133,
0.2855

 24.2993, 0.3123,
0.2537


184.9395, 0.3134,
0.2883

 15.5558, 0.3116,
0.2434

226.7060, 0.3134,
0.2908

 9.2104, 0.3105,
0.2299

274.3301, 0.3134,
0.2931

 4.8787, 0.3085,
0.2115


328.1962, 0.3134,


 2.1762, 0.3047,

0.2950

0.1850

388.6888, 0.3134,
0.2968

 0.7070, 0.2966,
0.1427


 0.0000, 0.2368,
0.0000


 68.7623, 0.3131,
0.2738


 68.7623, 0.3131,
0.2738

 57.7478, 0.3131,
0.2485


 81.7488, 0.3130,
0.2993

 48.6010, 0.3128,
0.2241

 96.7921, 0.3128,
0.3242

 41.2177, 0.3124,
0.2018

100.0000, 0.3127,
0.3290

 35.4810, 0.3117,
0.1826

■ 31.2597, 0.3108,
0.1672

■ 28.4027, 0.3097,
0.1562

■ 26.7279, 0.3085,
0.1495

■ 26.0191, 0.3075,
0.1468

Harmonies

Analogous

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



68.7623, 0.2729, 0.2612



68.7623, 0.3131, 0.2738



68.7623, 0.3559, 0.2988

Triad

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



68.7623, 0.3131, 0.2738



68.7623, 0.3831, 0.3935



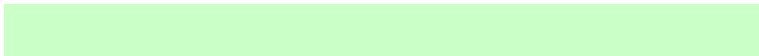
68.7623, 0.2428, 0.3192

Complementary

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



68.7623, 0.3131, 0.2738



88.1908, 0.3116, 0.3903

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.



68.7623, 0.2689, 0.3611



68.7623, 0.3131, 0.2738



68.7623, 0.3497, 0.4058

Square

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



68.7623, 0.3131, 0.2738



68.7623, 0.3976, 0.3656



68.7623, 0.3078, 0.3944



68.7623, 0.2345, 0.2841

Rectangle

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



68.7623, 0.3131, 0.2738



68.7623, 0.3791, 0.3201



68.7623, 0.3078, 0.3944



68.7623, 0.2497, 0.3330

Sweetspot

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



68.7644, 0.3131, 0.2738



88.9572, 0.3129, 0.3118



61.9397, 0.2757, 0.2716



18.8471, 0.3129, 0.3103



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.



68.7644, 0.3131, 0.2738



64.0894, 0.3131, 0.2635



67.8543, 0.3330, 0.2971



18.2487, 0.3130, 0.3055



13.6167, 0.3077, 0.1469



1.3402, 0.3093, 0.1478

Inverse Universe

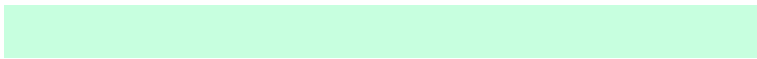
The Inverse Universe completely reimagines the original color for something new.



66.3615, 0.3553, 0.3261



61.3407, 0.3657, 0.3255



89.0018, 0.2966, 0.3633



18.0026, 0.3286, 0.3278



11.1309, 0.6348, 0.3271



1.0890, 0.6224, 0.3202

Previews

White Background



This preview shows how the Yxy color 68.7623, 0.3131, 0.2738 looks on a white background.

Color Contrast Check

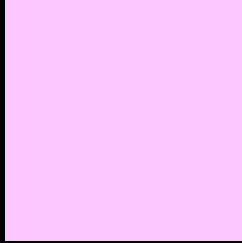
Large Text (above 18pt) WCAG AA × Fail

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 68.7623, 0.3131, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

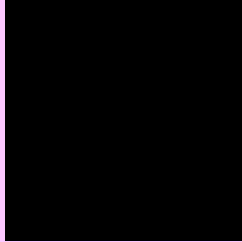
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7623, 0.3131, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 68.7623, 0.3131, 0.2738.

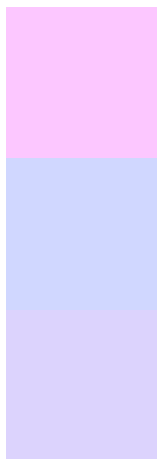


This preview shows how white text looks on a background with the Yxy color 68.7623, 0.3131, 0.2738.

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

68.7623, 0.3131, 0.2738

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

68.8960, 0.2916, 0.2848



Tritanopia

68.6573, 0.3334, 0.3125

Trichromacy



Original Color

68.7623, 0.3131, 0.2738



Protanomaly

68.6682, 0.2930, 0.2810



Deuteranomaly

68.9372, 0.2992, 0.2807



Tritanomaly

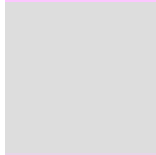
68.7348, 0.3263, 0.2985

Monochromacy



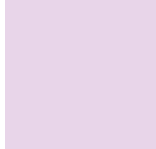
Original Color

68.7623, 0.3131, 0.2738



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

70.6275, 0.3130, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Xxy 68.7623, 0.3131, 0.2738 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(252, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 199, 255)  
}
```

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(252, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.7623, 0.3131, 0.2738 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(252, 199, 255) }
```

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

```
.border{ border-color:rgb(252, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7623, 0.3131, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 199, 255) }
```

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

```
.background{ background-color: rgb(252,  
199, 255) }
```

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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