

Converting Colors

$Y_{xy}(69.7259, 0.2966, 0.2513)$

Have a look what the booklet for
Yxy(69.7259, 0.2966, 0.2513)
contains.

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Color

Yxy(68.3036, 0.3131, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	FCC6FF
RGB	252, 198, 255
RGB Percent	99%, 78%, 100%
CMY	0.0117, 0.2235, 0.0000
CMYK	0.01, 0.22, 0.00, 0.00
HSL	297°, 100%, 89%
HSV	297°, 22%, 100%
XYZ	78.3939, 68.3036, 103.6823
YIQ	220.6440, 13.8870, 29.1750

Conversions

Conversions Part 2

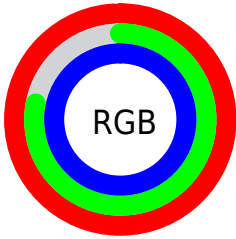
Format	Color
R _Y B	252, 198, 255
Decimal	16566015
CIE Lab	86.16, 28.57, -20.63
CIE LCh	86, 35.238, 324.167
Yxy	68.3036, 0.3131, 0.2728
Android (android.graphics.Color)	4294756095 (0xFFFC6FF)
YUV	220.6440, 16.9375, 27.4992
Hunter-Lab	82.6460, 24.6858, -16.5292

Details

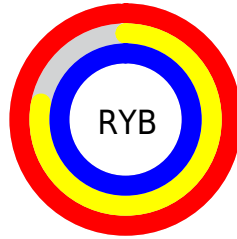
The Yxy color **68.3036, 0.3131, 0.2728** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.0136, 0.3116, 0.3916**, and the grayscale version is **71.9162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6258, 0.3130, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **57.3633, 0.3131, 0.2475**, and if you desaturate by 10%, it is **81.2104, 0.3130, 0.2983**.

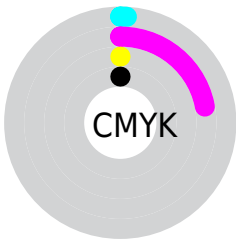
Distribution



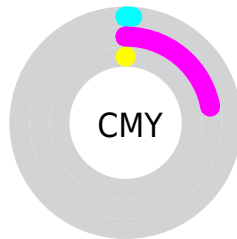
- Red (99%)
- Green (78%)
- Blue (100%)



- 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 68.3036, 0.3131, 0.2728 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 68.3036, 0.3131, 0.2728 by changing the saturation by 10% instead.

 68.3036, 0.3131,
0.2728

 68.3036, 0.3131,
0.2728


454.5709, 0.3134,
0.2978

 50.1448, 0.3129,
0.2673


116.7864, 0.3133,
0.2813

 35.5284, 0.3127,
0.2606


147.8791, 0.3133,
0.2847

 24.0702, 0.3122,
0.2524


184.0519, 0.3134,
0.2876

 15.3857, 0.3115,
0.2419


225.6892, 0.3134,
0.2901

 9.0905, 0.3104,
0.2281

273.1753, 0.3134,
0.2924

 4.8003, 0.3083,
0.2093

326.8947, 0.3134,

 2.1306, 0.3043,

0.2944

0.1825

387.2318, 0.3134,
0.2962

0.6817, 0.2961,
0.1390

0.0000, 0.2304,
0.0000

68.3036, 0.3131,
0.2728

68.3036, 0.3131,
0.2728

57.3633, 0.3131,
0.2475

81.2104, 0.3130,
0.2983

48.2877, 0.3128,
0.2232

96.1714, 0.3128,
0.3233

40.9713, 0.3124,
0.2010

100.0000, 0.3127,
0.3290

35.2966, 0.3117,
0.1819

■ 31.1320, 0.3108,
0.1667

■ 28.3253, 0.3097,
0.1559

■ 26.6928, 0.3085,
0.1494

■ 26.0287, 0.3075,
0.1468

Harmonies

Analogous

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



68.3036, 0.2721, 0.2599



68.3036, 0.3131, 0.2728



68.3036, 0.3567, 0.2983

Triad

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



68.3036, 0.3131, 0.2728



68.3036, 0.3844, 0.3947



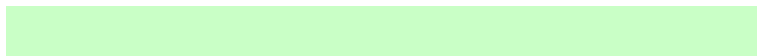
68.3036, 0.2414, 0.3189

Complementary

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



68.3036, 0.3131, 0.2728



88.0136, 0.3116, 0.3916

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.



68.3036, 0.2680, 0.3617



68.3036, 0.3131, 0.2728



68.3036, 0.3504, 0.4074

Square

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



68.3036, 0.3131, 0.2728



68.3036, 0.3993, 0.3662



68.3036, 0.3076, 0.3958



68.3036, 0.2330, 0.2831

Rectangle

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



68.3036, 0.3131, 0.2728



68.3036, 0.3805, 0.3199



68.3036, 0.3076, 0.3958



68.3036, 0.2484, 0.3330

Sweetspot

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



68.3048, 0.3131, 0.2728



88.9580, 0.3129, 0.3118



61.3728, 0.2750, 0.2704



18.8473, 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.



68.3048, 0.3131, 0.2728



62.9819, 0.3131, 0.2610



67.3780, 0.3334, 0.2965



18.2489, 0.3130, 0.3055



13.6217, 0.3078, 0.1469



1.3406, 0.3094, 0.1478

Inverse Universe

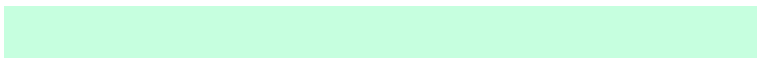
The Inverse Universe completely reimagines the original color for something new.



65.8646, 0.3563, 0.3260



60.1485, 0.3684, 0.3254



88.8372, 0.2963, 0.3639



18.0025, 0.3286, 0.3278



11.1308, 0.6348, 0.3271



1.0890, 0.6225, 0.3203

Previews

White Background



This preview shows how the Yxy color 68.3036, 0.3131, 0.2728 looks on a white background.

Color Contrast Check

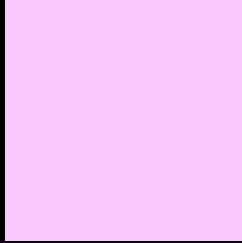
Large Text (above 18pt) WCAG AA × Fail

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 68.3036, 0.3131, 0.2728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

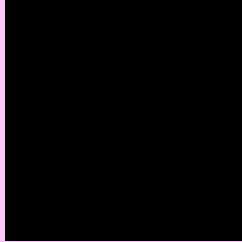
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3036, 0.3131, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 68.3036, 0.3131, 0.2728.



This preview shows how white text looks on a background with the Yxy color 68.3036, 0.3131, 0.2728.

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

68.3036, 0.3131, 0.2728

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.7404, 0.2909, 0.2847



Tritanopia

68.1272, 0.3342, 0.3125

Trichromacy



Original Color

68.3036, 0.3131, 0.2728



Protanomaly

68.0197, 0.2923, 0.2799



Deuteranomaly

68.2873, 0.2985, 0.2795



Tritanomaly

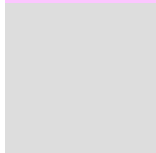
68.2640, 0.3264, 0.2975

Monochromacy



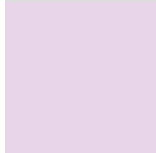
Original Color

68.3036, 0.3131, 0.2728



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 Yxy 68.3036, 0.3131, 0.2728 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, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 198, 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, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3036, 0.3131, 0.2728 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, 198, 255) }
```

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

```
.border{ border-color:rgb(252, 198, 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, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3036, 0.3131, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 198, 255) }
```

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

```
.background{ background-color: rgb(252,  
198, 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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