

Converting Colors

$Y_{xy}(70.2179, 0.3179, 0.2802)$

Have a look what the booklet for
Yxy(70.2179, 0.3179, 0.2802)
contains.

Yxy(69.9983, 0.3180, 0.2799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.9983, 0.3180, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	FFC9FB
RGB	255, 201, 251
RGB Percent	100%, 79%, 98%
CMY	0.0001, 0.2117, 0.0158
CMYK	0.00, 0.21, 0.02, 0.00
HSL	304°, 100%, 89%
HSV	304°, 21%, 100%
XYZ	79.5265, 69.9983, 100.5585
YIQ	222.8460, 16.1340, 26.9980

Conversions

Conversions Part 2

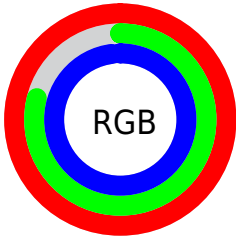
Format	Color
R _Y B	255, 201, 251
Decimal	16763387
CIE Lab	87.00, 27.20, -17.19
CIE LCh	87, 32.179, 327.714
Yxy	69.9983, 0.3180, 0.2799
Android (android.graphics.Color)	4294953467 (0xFFFFC9FB)
YUV	222.8460, 13.8799, 28.1991
Hunter-Lab	83.6650, 23.2567, -12.6962

Details

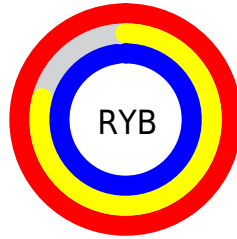
The Yxy color **69.9983, 0.3180, 0.2799** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.3309, 0.3077, 0.3836**, and the grayscale version is **73.5679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7682, 0.3194, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **58.9637, 0.3209, 0.2565**, and if you desaturate by 10%, it is **83.0132, 0.3154, 0.3034**.

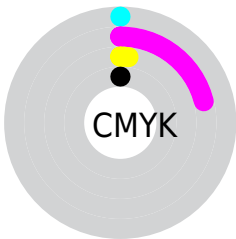
Distribution



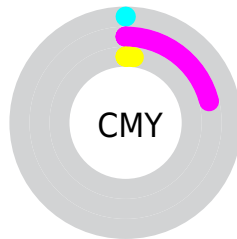
- Red (100%)
- Green (79%)
- Blue (98%)



- Red (100%)
- Yellow (79%)
- Blue (98%)



- Cyan (0%)
- Magenta (21%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9983, 0.3180, 0.2799 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 69.9983, 0.3180, 0.2799 by changing the saturation by 10% instead.

 69.9983, 0.3180,
0.2799

 69.9983, 0.3180,
0.2799


460.5440, 0.3159,
0.3018

 51.5252, 0.3184,
0.2751


119.2063, 0.3174,
0.2874

 36.6267, 0.3188,
0.2692


150.7100, 0.3171,
0.2903

 24.9186, 0.3193,
0.2619


187.3260, 0.3168,
0.2928

 16.0164, 0.3198,
0.2527

229.4386, 0.3166,
0.2951

 9.5358, 0.3204,
0.2405

277.4324, 0.3164,
0.2971

 5.0923, 0.3208,
0.2238


331.6916, 0.3163,


 2.3015, 0.3207,


0.2988


0.1996


392.6007, 0.3161,
0.3004


 0.7745, 0.3189,
0.1611


 0.0000, 0.2930,
0.0000


 69.9983, 0.3180,
0.2799


 69.9983, 0.3180,
0.2799

 58.9637, 0.3209,
0.2565


 83.0132, 0.3154,
0.3034

 49.8030, 0.3239,
0.2339

 98.0899, 0.3130,
0.3264

 42.4138, 0.3271,
0.2133

99.9944, 0.3127,
0.3290

 36.6799, 0.3302,
0.1956

■ 32.4717, 0.3333,
0.1816

■ 29.6401, 0.3362,
0.1719

■ 28.0061, 0.3388,
0.1667

■ 27.3135, 0.3409,
0.1651

Harmonies

Analogous

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



69.9983, 0.2799, 0.2666



69.9983, 0.3180, 0.2799



69.9983, 0.3569, 0.3044

Triad

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



69.9983, 0.3180, 0.2799



69.9983, 0.3750, 0.3911



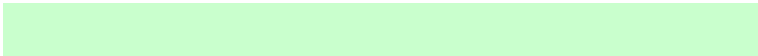
69.9983, 0.2460, 0.3158

Complementary

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



69.9983, 0.3180, 0.2799



88.3309, 0.3077, 0.3836

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.



69.9983, 0.2686, 0.3541



69.9983, 0.3180, 0.2799



69.9983, 0.3428, 0.3997

Square

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



69.9983, 0.3180, 0.2799



69.9983, 0.3907, 0.3668



69.9983, 0.3037, 0.3863



69.9983, 0.2403, 0.2846

Rectangle

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



69.9983, 0.3180, 0.2799



69.9983, 0.3771, 0.3247



69.9983, 0.3037, 0.3863



69.9983, 0.2518, 0.3283

Sweetspot

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



70.0014, 0.3180, 0.2799



90.5508, 0.3141, 0.3154



61.9272, 0.2794, 0.2703



19.1713, 0.3143, 0.3139



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.



70.0014, 0.3180, 0.2799



65.5498, 0.3191, 0.2708



68.4419, 0.3375, 0.3054



18.2757, 0.3149, 0.3073



14.2855, 0.3405, 0.1650



1.3976, 0.3380, 0.1636

Inverse Universe

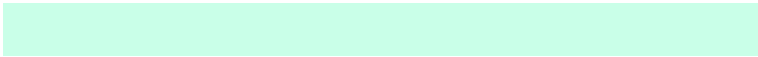
The Inverse Universe completely reimagines the original color for something new.



70.0014, 0.3180, 0.2799



65.5498, 0.3191, 0.2708



89.7249, 0.2933, 0.3539



18.2757, 0.3149, 0.3073



14.2855, 0.3405, 0.1650



1.3976, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 69.9983, 0.3180, 0.2799 looks on a white background.

Color Contrast Check

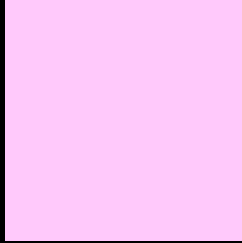
Large Text (above 18pt) WCAG AA × Fail

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 69.9983, 0.3180, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

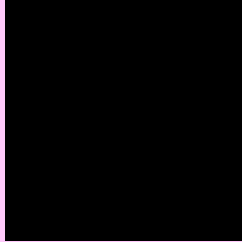
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9983, 0.3180, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 69.9983, 0.3180, 0.2799.



This preview shows how white text looks on a background with the Yxy color 69.9983, 0.3180, 0.2799.

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

69.9983, 0.3180, 0.2799

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.4356, 0.2975, 0.2913



Tritanopia

69.9258, 0.3356, 0.3127

Trichromacy



Original Color

69.9983, 0.3180, 0.2799



Protanomaly

69.9130, 0.2950, 0.2843



Deuteranomaly

70.3359, 0.3046, 0.2870



Tritanomaly

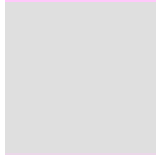
69.7644, 0.3285, 0.2998

Monochromacy



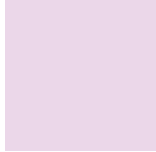
Original Color

69.9983, 0.3180, 0.2799



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.1462, 0.3150, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9983, 0.3180, 0.2799 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, 201, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 251)  
}
```

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, 201, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 251) }
```

Border

The CSS property to change the border of an element to Yxy 69.9983, 0.3180, 0.2799 is called "border". The border property can be set on classes, ids or directly on the HTML element.

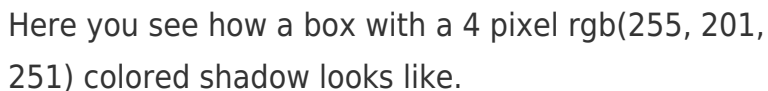
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 201, 251) }
```

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

```
.border{ border-color:rgb(255, 201, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 201, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9983, 0.3180, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 251) }
```

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

```
.background{ background-color: rgb(255,  
201, 251) }
```

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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