

Converting Colors

$Y_{xy}(79.9778, 0.3541, 0.2821)$

Have a look what the booklet for
Yxy(79.9778, 0.3541, 0.2821)
contains.

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Color

Yxy(69.1987, 0.3167, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7FD
RGB	255, 199, 253
RGB Percent	100%, 78%, 99%
CMY	0.0000, 0.2196, 0.0078
CMYK	0.00, 0.22, 0.01, 0.00
HSL	302°, 100%, 89%
HSV	302°, 22%, 100%
XYZ	79.4030, 69.1987, 102.1182
YIQ	221.9000, 16.0420, 28.6660

Conversions

Conversions Part 2

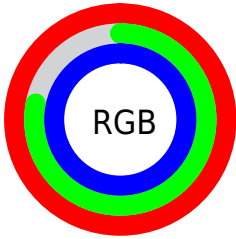
Format	Color
RYB	255, 199, 253
Decimal	16762877
CIELab	86.60, 28.66, -18.87
CIElCh	87, 34.311, 326.638
Yxy	69.1987, 0.3167, 0.2760
Android (android.graphics.Color)	4294952957 (0xFFFFC7FD)
YUV	221.9000, 15.3323, 29.0287
Hunter-Lab	83.1858, 24.8079, -14.5539

Details

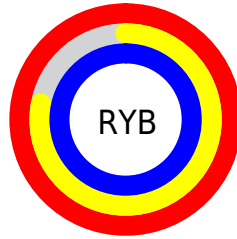
The Yxy color $69.1987, 0.3167, 0.2760$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.8766, 0.3087, 0.3884$, and the grayscale version is $72.8514, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.2421, 0.3177, 0.2654$ is the 20% darker color. If you saturate the color by 10%, you get $58.3722, 0.3187, 0.2518$, and if you desaturate by 10%, it is $81.9869, 0.3148, 0.3004$.

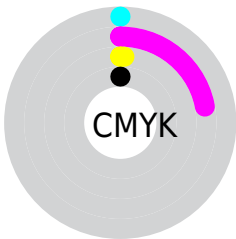
Distribution



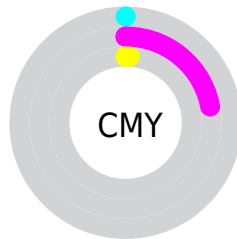
- Red (100%)
- Green (78%)
- Blue (99%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1987, 0.3167, 0.2760 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 69.1987, 0.3167, 0.2760 by changing the saturation by 10% instead.


 69.1987, 0.3167,
0.2760

 69.1987, 0.3167,
0.2760


457.7315, 0.3153,
0.2996

 50.8735, 0.3169,
0.2708


118.0653, 0.3163,
0.2840

 36.1080, 0.3171,
0.2645


149.3756, 0.3161,
0.2872

 24.5176, 0.3174,
0.2567


185.7830, 0.3160,
0.2899

 15.7180, 0.3175,
0.2468

227.6720, 0.3158,
0.2924

 9.3248, 0.3175,
0.2338

275.4270, 0.3157,
0.2945

 4.9537, 0.3171,
0.2160


329.4323, 0.3155,


 2.2201, 0.3157,


0.2964


0.1904

390.0723, 0.3154,
0.2981

 0.7309, 0.3118,
0.1495


 0.0000, 0.2733,
0.0000


 69.1987, 0.3167,
0.2760


 69.1987, 0.3167,
0.2760

 58.3722, 0.3187,
0.2518

 81.9869, 0.3148,
0.3004

 49.4163, 0.3207,
0.2287

 96.8348, 0.3130,
0.3244

 42.2225, 0.3227,
0.2078

100.0000, 0.3127,
0.3290

 36.6738, 0.3246,
0.1899

■ 32.6390, 0.3264,
0.1759

■ 29.9672, 0.3279,
0.1663

■ 28.4761, 0.3292,
0.1610

■ 27.9137, 0.3301,
0.1592

Harmonies

Analogous

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



69.1987, 0.2763, 0.2623



69.1987, 0.3167, 0.2760



69.1987, 0.3586, 0.3016

Triad

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



69.1987, 0.3167, 0.2760



69.1987, 0.3802, 0.3946



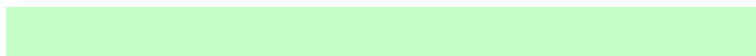
69.1987, 0.2421, 0.3160

Complementary

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



69.1987, 0.3167, 0.2760



87.8766, 0.3087, 0.3884

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.



69.1987, 0.2667, 0.3573



69.1987, 0.3167, 0.2760



69.1987, 0.3461, 0.4049

Square

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



69.1987, 0.3167, 0.2760



69.1987, 0.3964, 0.3679



69.1987, 0.3044, 0.3916



69.1987, 0.2354, 0.2823

Rectangle

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



69.1987, 0.3167, 0.2760



69.1987, 0.3807, 0.3230



69.1987, 0.3044, 0.3916



69.1987, 0.2484, 0.3296

Sweetspot

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



69.1964, 0.3167, 0.2760



89.0948, 0.3139, 0.3124



60.4611, 0.2767, 0.2676



18.8791, 0.3140, 0.3110



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.



69.1964, 0.3167, 0.2760



64.5964, 0.3175, 0.2662



67.5464, 0.3372, 0.3026



18.2886, 0.3144, 0.3064



14.5904, 0.3300, 0.1591



1.4240, 0.3288, 0.1585

Inverse Universe

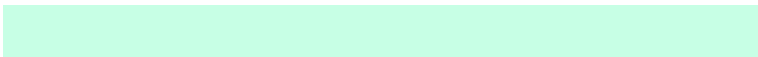
The Inverse Universe completely reimagines the original color for something new.



69.1964, 0.3167, 0.2760



64.5964, 0.3175, 0.2662



89.3105, 0.2936, 0.3570



18.2886, 0.3144, 0.3064



14.5904, 0.3300, 0.1591



1.4240, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 69.1987, 0.3167, 0.2760 looks on a white background.

Color Contrast Check

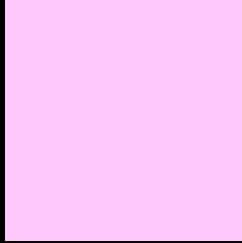
Large Text (above 18pt) WCAG AA × Fail

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 69.1987, 0.3167, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

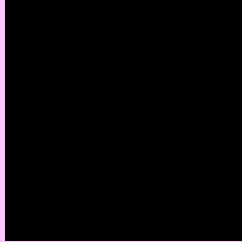
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1987, 0.3167, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 69.1987, 0.3167, 0.2760.



This preview shows how white text looks on a background with the Yxy color 69.1987, 0.3167, 0.2760.

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

69.1987, 0.3167, 0.2760

Protanopia

69.3762, 0.2832, 0.2862

Deuteranopia

69.5816, 0.2942, 0.2880



Tritanopia

69.3923, 0.3364, 0.3127

Trichromacy



Original Color

69.1987, 0.3167, 0.2760



Protanomaly

68.9254, 0.2950, 0.2822



Deuteranomaly

69.1463, 0.3019, 0.2828



Tritanomaly

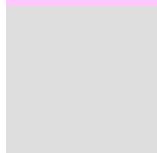
69.2905, 0.3286, 0.2987

Monochromacy



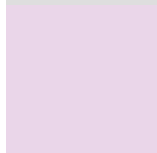
Original Color

69.1987, 0.3167, 0.2760



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

71.4688, 0.3144, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1987, 0.3167, 0.2760 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, 199, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 253)  
}
```

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, 199, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 253) }
```

Border

The CSS property to change the border of an element to Yxy 69.1987, 0.3167, 0.2760 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, 199, 253) }
```

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

```
.border{ border-color:rgb(255, 199, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1987, 0.3167, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 253) }
```

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

```
.background{ background-color: rgb(255,  
199, 253) }
```

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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