

Converting Colors

$Y_{xy}(79.1086, 0.3562, 0.2793)$

Have a look what the booklet for
Yxy(79.1086, 0.3562, 0.2793)
contains.

Yxy(67.8317, 0.3168, 0.2731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.8317, 0.3168, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4FD
RGB	255, 196, 253
RGB Percent	100%, 77%, 99%
CMY	0.0003, 0.2312, 0.0079
CMYK	0.00, 0.23, 0.01, 0.00
HSL	302°, 100%, 88%
HSV	302°, 23%, 100%
XYZ	78.6858, 67.8317, 101.8593
YIQ	220.1390, 16.8670, 30.2350

Conversions

Conversions Part 2

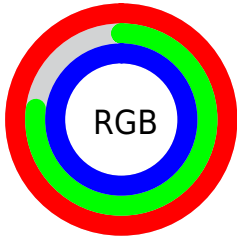
Format	Color
R_{YB}	255, 196, 253
Decimal	16762109
CIE _{Lab}	85.92, 30.17, -19.88
CIE _{LCh}	86, 36.125, 326.620
Yxy	67.8317, 0.3168, 0.2731
Android (android.graphics.Color)	4294952189 (0xFFFFC4FD)
YUV	220.1390, 16.2005, 30.5731
Hunter-Lab	82.3600, 26.4068, -15.6753

Details

The Yxy color **67.8317, 0.3168, 0.2731** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.2884, 0.3086, 0.3921**, and the grayscale version is **71.5469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **35.3373, 0.3179, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **57.2385, 0.3187, 0.2489**, and if you desaturate by 10%, it is **80.3849, 0.3150, 0.2976**.

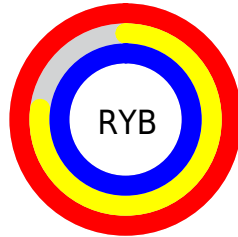
Distribution



Red (100%)

Green (77%)

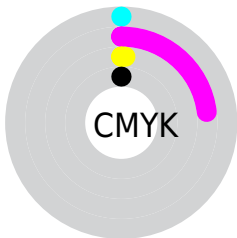
Blue (99%)



Red (100%)

Yellow (77%)

Blue (99%)

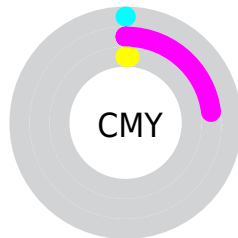


Cyan (0%)

Magenta (23%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8317, 0.3168, 0.2731 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 67.8317, 0.3168, 0.2731 by changing the saturation by 10% instead.

 67.8317, 0.3168,
0.2731

 67.8317, 0.3168,
0.2731


452.8995, 0.3154,
0.2980

 49.7608, 0.3170,
0.2676


 116.1113, 0.3164,
0.2816

 35.2234, 0.3172,
0.2610

147.0889, 0.3162,
0.2849

 23.8350, 0.3174,
0.2527


183.1375, 0.3161,
0.2878

 15.2113, 0.3175,
0.2423

224.6415, 0.3159,
0.2904

 8.9678, 0.3174,
0.2285

271.9853, 0.3158,
0.2926

 4.7202, 0.3168,
0.2098

325.5533, 0.3156,

 2.0840, 0.3150,

0.2946

0.1829

385.7299, 0.3155,
0.2964

0.6556, 0.3108,
0.1383

0.0000, 0.2550,
0.0000

67.8317, 0.3168,
0.2731

67.8317, 0.3168,
0.2731

57.2385, 0.3187,
0.2489

80.3849, 0.3150,
0.2976

48.4978, 0.3207,
0.2260

94.9810, 0.3132,
0.3217

41.5051, 0.3226,
0.2054

99.9854, 0.3127,
0.3290

36.1422, 0.3244,
0.1879

■ 32.2763, 0.3261,
0.1743

■ 29.7534, 0.3276,
0.1651

■ 28.3869, 0.3288,
0.1603

■ 27.9316, 0.3295,
0.1589

Harmonies

Analogous

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



67.8317, 0.2741, 0.2587



67.8317, 0.3168, 0.2731



67.8317, 0.3613, 0.3000

Triad

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



67.8317, 0.3168, 0.2731



67.8317, 0.3841, 0.3982



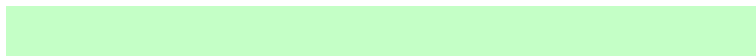
67.8317, 0.2381, 0.3150

Complementary

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



67.8317, 0.3168, 0.2731



87.2884, 0.3086, 0.3921

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.



67.8317, 0.2640, 0.3591



67.8317, 0.3168, 0.2731



67.8317, 0.3479, 0.4096

Square

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



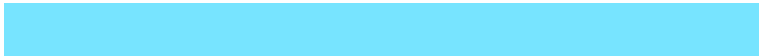
67.8317, 0.3168, 0.2731



67.8317, 0.4014, 0.3698



67.8317, 0.3038, 0.3957



67.8317, 0.2312, 0.2794

Rectangle

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



67.8317, 0.3168, 0.2731



67.8317, 0.3848, 0.3225



67.8317, 0.3038, 0.3957



67.8317, 0.2448, 0.3294

Sweetspot

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



67.8347, 0.3168, 0.2731



89.0975, 0.3139, 0.3124



58.5869, 0.2739, 0.2638



18.8797, 0.3140, 0.3109



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.



67.8347, 0.3168, 0.2731



62.4445, 0.3177, 0.2612



66.1529, 0.3380, 0.3002



18.2894, 0.3143, 0.3063



14.6095, 0.3293, 0.1588



1.4256, 0.3283, 0.1582

Inverse Universe

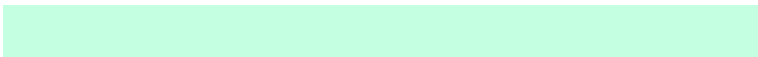
The Inverse Universe completely reimagines the original color for something new.



67.8347, 0.3168, 0.2731



62.4445, 0.3177, 0.2612



88.7285, 0.2932, 0.3598



18.2894, 0.3143, 0.3063



14.6095, 0.3293, 0.1588



1.4256, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 67.8317, 0.3168, 0.2731 looks on a white background.

Color Contrast Check

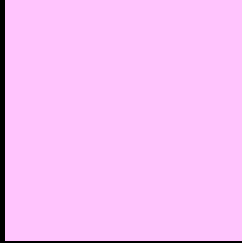
Large Text (above 18pt) WCAG AA × Fail

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 67.8317, 0.3168, 0.2731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

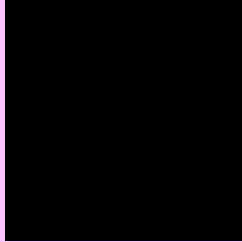
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8317, 0.3168, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 67.8317, 0.3168, 0.2731.



This preview shows how white text looks on a background with the Yxy color 67.8317, 0.3168, 0.2731.

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

67.8317, 0.3168, 0.2731

Protanopia

68.4349, 0.2812, 0.2849

Deuteranopia

68.0554, 0.2927, 0.2866



Tritanopia

67.6270, 0.3383, 0.3126

Trichromacy



Original Color

67.8317, 0.3168, 0.2731



Protanomaly

67.6287, 0.2936, 0.2799



Deuteranomaly

67.7835, 0.3011, 0.2815



Tritanomaly

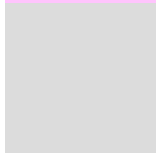
67.7735, 0.3303, 0.2976

Monochromacy



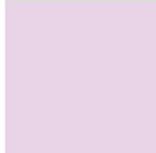
Original Color

67.8317, 0.3168, 0.2731



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

69.7384, 0.3145, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8317, 0.3168, 0.2731 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, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 253) }
```

Border

The CSS property to change the border of an element to Yxy 67.8317, 0.3168, 0.2731 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, 196, 253) }
```

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

```
.border{ border-color:rgb(255, 196, 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, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8317, 0.3168, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 253) }
```

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

```
.background{ background-color: rgb(255,  
196, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor