

Converting Colors

$Y_{xy}(75.5455, 0.3453, 0.2814)$

Have a look what the booklet for
Yxy(75.5455, 0.3453, 0.2814)
contains.

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Color

Yxy(68.0946, 0.3189, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	FFC5FA
RGB	255, 197, 250
RGB Percent	100%, 77%, 98%
CMY	0.0002, 0.2274, 0.0196
CMYK	0.00, 0.23, 0.02, 0.00
HSL	305°, 100%, 89%
HSV	305°, 23%, 100%
XYZ	78.4515, 68.0946, 99.4604
YIQ	220.3840, 17.5550, 28.7790

Conversions

Conversions Part 2

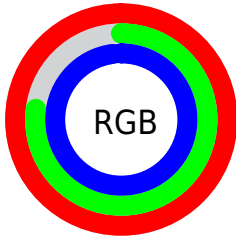
Format	Color
R _Y B	255, 197, 250
Decimal	16762362
CIE Lab	86.05, 29.13, -18.10
CIE LCh	86, 34.298, 328.146
Yxy	68.0946, 0.3189, 0.2768
Android (android.graphics.Color)	4294952442 (0xFFFFC5FA)
YUV	220.3840, 14.6007, 30.3582
Hunter-Lab	82.5195, 25.2914, -13.6984

Details

The Yxy color **68.0946, 0.3189, 0.2768** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.6302, 0.3070, 0.3874**, and the grayscale version is **71.7398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **35.5009, 0.3206, 0.2663** is the 20% darker color. If you saturate the color by 10%, you get **57.3443, 0.3221, 0.2537**, and if you desaturate by 10%, it is **80.8106, 0.3160, 0.3001**.

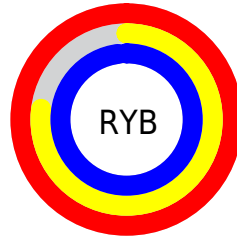
Distribution



Red (100%)

Green (77%)

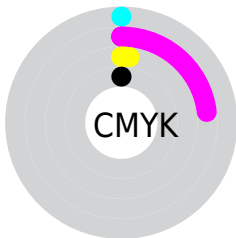
Blue (98%)



Red (100%)

Yellow (77%)

Blue (98%)

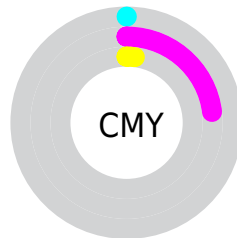


Cyan (0%)

Magenta (23%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (23%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0946, 0.3189, 0.2768 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 68.0946, 0.3189, 0.2768 by changing the saturation by 10% instead.


 68.0946, 0.3189,
0.2768

 68.0946, 0.3189,
0.2768

453.8311, 0.3165,
0.3001

 49.9747, 0.3194,
0.2717


116.4875, 0.3181,
0.2847

 35.3933, 0.3199,
0.2654


147.5292, 0.3178,
0.2879

 23.9660, 0.3205,
0.2576

183.6470, 0.3175,
0.2906

 15.3084, 0.3211,
0.2477

225.2253, 0.3173,
0.2930

 9.0361, 0.3218,
0.2347

272.6485, 0.3170,
0.2951

 4.7647, 0.3223,
0.2169

326.3009, 0.3168,

 2.1099, 0.3223,

0.2970

0.1910

386.5670, 0.3166,
0.2986

0.6702, 0.3213,
0.1478

0.0000, 0.2726,
0.0000

68.0946, 0.3189,
0.2768

68.0946, 0.3189,
0.2768

57.3443, 0.3221,
0.2537

80.8106, 0.3160,
0.3001

48.4521, 0.3254,
0.2316

95.5747, 0.3134,
0.3229

41.3142, 0.3290,
0.2115

99.9923, 0.3127,
0.3290

35.8127, 0.3325,
0.1944

■ 31.8151, 0.3359,
0.1812

■ 29.1686, 0.3392,
0.1723

■ 27.6880, 0.3421,
0.1679

■ 27.1463, 0.3441,
0.1669

Harmonies

Analogous

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



68.0946, 0.2779, 0.2624



68.0946, 0.3189, 0.2768



68.0946, 0.3607, 0.3030

Triad

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



68.0946, 0.3189, 0.2768



68.0946, 0.3791, 0.3959



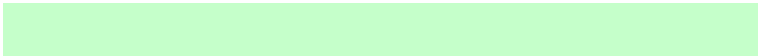
68.0946, 0.2410, 0.3139

Complementary

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



68.0946, 0.3189, 0.2768



87.6302, 0.3070, 0.3874

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.



68.0946, 0.2648, 0.3554



68.0946, 0.3189, 0.2768



68.0946, 0.3442, 0.4052

Square

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



68.0946, 0.3189, 0.2768



68.0946, 0.3965, 0.3696



68.0946, 0.3023, 0.3906



68.0946, 0.2352, 0.2807

Rectangle

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



68.0946, 0.3189, 0.2768



68.0946, 0.3824, 0.3247



68.0946, 0.3023, 0.3906



68.0946, 0.2471, 0.3275

Sweetspot

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



68.0976, 0.3189, 0.2768



89.0375, 0.3145, 0.3133



59.6954, 0.2772, 0.2655



18.8658, 0.3146, 0.3119



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.



68.0976, 0.3189, 0.2768



63.2882, 0.3202, 0.2668



66.4238, 0.3405, 0.3045



18.2720, 0.3151, 0.3075



14.2008, 0.3437, 0.1667



1.3902, 0.3408, 0.1651

Inverse Universe

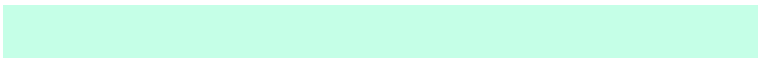
The Inverse Universe completely reimagines the original color for something new.



68.0976, 0.3189, 0.2768



63.2882, 0.3202, 0.2668



89.1267, 0.2914, 0.3549



18.2720, 0.3151, 0.3075



14.2008, 0.3437, 0.1667



1.3902, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 68.0946, 0.3189, 0.2768 looks on a white background.

Color Contrast Check

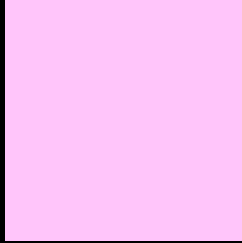
Large Text (above 18pt) WCAG AA × Fail

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 68.0946, 0.3189, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

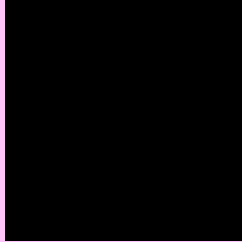
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0946, 0.3189, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 68.0946, 0.3189, 0.2768.



This preview shows how white text looks on a background with the Yxy color 68.0946, 0.3189, 0.2768.

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

68.0946, 0.3189, 0.2768

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.2426, 0.2954, 0.2887



Tritanopia

68.2831, 0.3390, 0.3137

Trichromacy



Original Color

68.0946, 0.3189, 0.2768



Protanomaly

68.0509, 0.2942, 0.2819



Deuteranomaly

67.8258, 0.3032, 0.2835



Tritanomaly

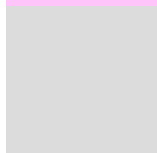
68.1819, 0.3310, 0.2996

Monochromacy



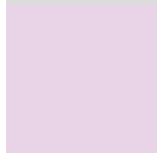
Original Color

68.0946, 0.3189, 0.2768



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

70.1801, 0.3151, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0946, 0.3189, 0.2768 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, 197, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 250)  
}
```

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, 197, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 250) }
```

Border

The CSS property to change the border of an element to Yxy 68.0946, 0.3189, 0.2768 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, 197, 250) }
```

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

```
.border{ border-color:rgb(255, 197, 250) }
```

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

Here you see how a box with a 4 pixel rgb(255, 197, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0946, 0.3189, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 250) }
```

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

```
.background{ background-color: rgb(255,  
197, 250) }
```

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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