

Converting Colors

$Y_{xy}(70.9651, 0.2919, 0.2494)$

Have a look what the booklet for
Yxy(70.9651, 0.2919, 0.2494)
contains.

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Color

Yxy(68.6683, 0.3108, 0.2745)

Conversions

Conversions Part 1

Format	Color
Hex	F9C8FF
RGB	249, 200, 255
RGB Percent	98%, 78%, 100%
CMY	0.0238, 0.2155, 0.0001
CMYK	0.02, 0.22, 0.00, 0.00
HSL	293°, 100%, 89%
HSV	293°, 22%, 100%
XYZ	77.7490, 68.6683, 103.7404
YIQ	220.9210, 11.5490, 27.4930

Conversions

Conversions Part 2

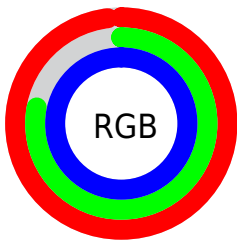
Format	Color
R_{YB}	249, 200, 255
Decimal	16369919
CIE _{Lab}	86.34, 26.50, -20.35
CIE _{LCh}	86, 33.411, 322.471
Yxy	68.6683, 0.3108, 0.2745
Android (android.graphics.Color)	4294559999 (0xFFFF9C8FF)
YUV	220.9210, 16.8009, 24.6253
Hunter-Lab	82.8663, 22.4609, -16.2187

Details

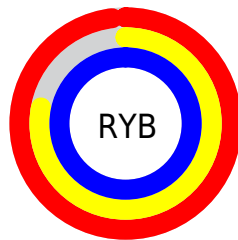
The Yxy color **68.6683, 0.3108, 0.2745** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.8077, 0.3136, 0.3887**, and the grayscale version is **72.1200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.8415, 0.3100, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **57.3154, 0.3094, 0.2486**, and if you desaturate by 10%, it is **82.0043, 0.3119, 0.3003**.

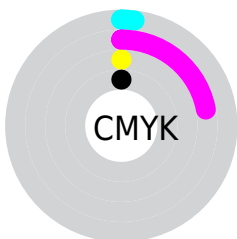
Distribution



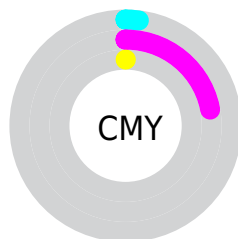
- Red (98%)
- Green (78%)
- Blue (100%)



- Red (98%)
- Yellow (78%)
- Blue (100%)



- Cyan (2%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6683, 0.3108, 0.2745 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 68.6683, 0.3108, 0.2745 by changing the saturation by 10% instead.


 68.6683, 0.3108,
0.2745

 68.6683, 0.3108,
0.2745


455.8602, 0.3121,
0.2988

 50.4416, 0.3104,
0.2692


117.3077, 0.3113,
0.2828

 35.7644, 0.3099,
0.2627


148.4892, 0.3115,
0.2860

 24.2523, 0.3091,
0.2546


184.7577, 0.3117,
0.2889

 15.5209, 0.3080,
0.2444

226.4977, 0.3118,
0.2913

 9.1858, 0.3063,
0.2309

274.0936, 0.3119,
0.2935

 4.8626, 0.3034,
0.2126

327.9297, 0.3120,

 2.1668, 0.2983,

0.2955

0.1862

388.3904, 0.3121,
0.2973

0.7018, 0.2881,
0.1436

0.0000, 0.2104,
0.0000

68.6683, 0.3108,
0.2745

68.6683, 0.3108,
0.2745

57.3154, 0.3094,
0.2486

82.0043, 0.3119,
0.3003

47.8390, 0.3077,
0.2235

97.4053, 0.3126,
0.3252

40.1363, 0.3057,
0.2001

99.9983, 0.3127,
0.3290

34.0906, 0.3034,
0.1796

■ 29.5717, 0.3008,
0.1628

■ 26.4295, 0.2981,
0.1504

■ 24.4833, 0.2952,
0.1425

■ 23.5383, 0.2928,
0.1387

Harmonies

Analogous

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



68.6683, 0.2724, 0.2630



68.6683, 0.3108, 0.2745



68.6683, 0.3522, 0.2982

Triad

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



68.6683, 0.3108, 0.2745



68.6683, 0.3821, 0.3902



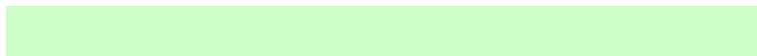
68.6683, 0.2460, 0.3218

Complementary

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



68.6683, 0.3108, 0.2745



88.8077, 0.3136, 0.3887

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.



68.6683, 0.2723, 0.3621



68.6683, 0.3108, 0.2745



68.6683, 0.3507, 0.4029

Square

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



68.6683, 0.3108, 0.2745



68.6683, 0.3948, 0.3628



68.6683, 0.3104, 0.3932



68.6683, 0.2369, 0.2872

Rectangle

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



68.6683, 0.3108, 0.2745



68.6683, 0.3752, 0.3187



68.6683, 0.3104, 0.3932



68.6683, 0.2531, 0.3353

Sweetspot

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



68.6713, 0.3108, 0.2745



90.3060, 0.3123, 0.3143



63.8606, 0.2768, 0.2759



19.1132, 0.3123, 0.3126



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.



68.6713, 0.3108, 0.2745



63.3896, 0.3102, 0.2629



68.5163, 0.3304, 0.2951



18.1930, 0.3120, 0.3055



12.3430, 0.2933, 0.1389



1.2295, 0.2966, 0.1408

Inverse Universe

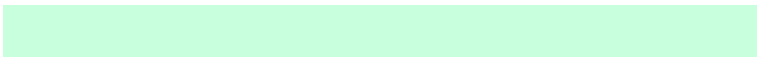
The Inverse Universe completely reimagines the original color for something new.



67.0408, 0.3518, 0.3229



61.5114, 0.3625, 0.3216



89.0128, 0.2984, 0.3656



18.0195, 0.3277, 0.3264



11.1631, 0.6273, 0.3229



1.0970, 0.6046, 0.3104

Previews

White Background



This preview shows how the Yxy color 68.6683, 0.3108, 0.2745 looks on a white background.

Color Contrast Check

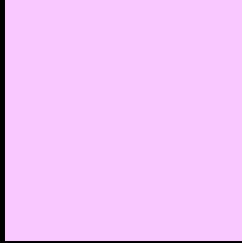
Large Text (above 18pt) WCAG AA × Fail

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 68.6683, 0.3108, 0.2745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

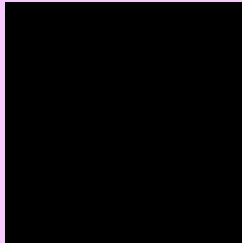
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6683, 0.3108, 0.2745

Background



This preview shows how black text looks on a background with the Yxy color 68.6683, 0.3108, 0.2745.



This preview shows how white text looks on a background with the Yxy color 68.6683, 0.3108, 0.2745.

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

68.6683, 0.3108, 0.2745

Protanopia

69.0863, 0.2819, 0.2860

Deuteranopia

68.8960, 0.2916, 0.2848



Tritanopia

68.6496, 0.3302, 0.3124

Trichromacy



Original Color

68.6683, 0.3108, 0.2745



Protanomaly

68.8428, 0.2916, 0.2819



Deuteranomaly

68.7703, 0.2985, 0.2806



Tritanomaly

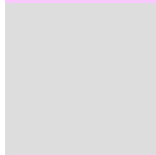
68.7191, 0.3232, 0.2983

Monochromacy



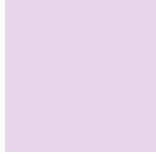
Original Color

68.6683, 0.3108, 0.2745



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

70.4606, 0.3123, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6683, 0.3108, 0.2745 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(249, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 200, 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(249, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.6683, 0.3108, 0.2745 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(249, 200, 255) }
```

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

```
.border{ border-color:rgb(249, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6683, 0.3108, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 200, 255) }
```

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

```
.background{ background-color: rgb(249,  
200, 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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