

Converting Colors

$Y_{xy}(68.5078, 0.3242, 0.2856)$

Have a look what the booklet for
Yxy(68.5078, 0.3242, 0.2856)
contains.

Yxy(68.5779, 0.3239, 0.2853)	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(68.5779, 0.3239, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7F3
RGB	255, 199, 243
RGB Percent	100%, 78%, 95%
CMY	0.0000, 0.2197, 0.0470
CMYK	0.00, 0.22, 0.05, 0.00
HSL	313°, 100%, 89%
HSV	313°, 22%, 100%
XYZ	77.8562, 68.5779, 93.9371
YIQ	220.7600, 19.2520, 25.5560

Conversions

Conversions Part 2

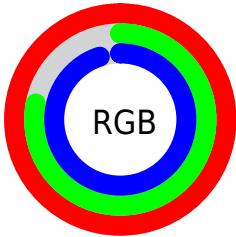
Format	Color
R_{YB}	255, 199, 243
Decimal	16762867
CIE _{Lab}	86.29, 26.91, -14.03
CIE _{LCh}	86, 30.341, 332.468
Yxy	68.5779, 0.3239, 0.2853
Android (android.graphics.Color)	4294952947 (0xFFFFC7F3)
YUV	220.7600, 10.9643, 30.0285
Hunter-Lab	82.8118, 22.8978, -9.2870

Details

The Yxy color $68.5779, 0.3239, 0.2853$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.3615, 0.3032, 0.3771$, and the grayscale version is $72.0339, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.8444, 0.3262, 0.2759$ is the 20% darker color. If you saturate the color by 10%, you get $57.4800, 0.3302, 0.2649$, and if you desaturate by 10%, it is $81.6381, 0.3183, 0.3056$.

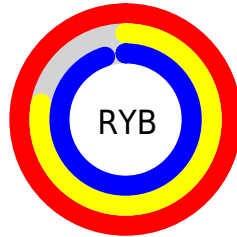
Distribution



Red (100%)

Green (78%)

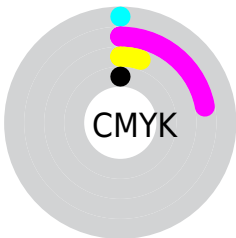
Blue (95%)



Red (100%)

Yellow (78%)

Blue (95%)

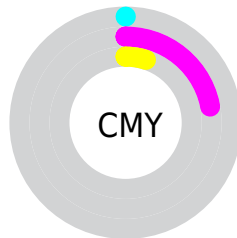


Cyan (0%)

Magenta (22%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5779, 0.3239, 0.2853 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 68.5779, 0.3239, 0.2853 by changing the saturation by 10% instead.


 68.5779, 0.3239,
0.2853

 68.5779, 0.3239,
0.2853


455.5408, 0.3190,
0.3050

 50.3680, 0.3249,
0.2809


117.1785, 0.3223,
0.2920

 35.7059, 0.3262,
0.2756


148.3380, 0.3216,
0.2947

 24.2071, 0.3278,
0.2690


184.5828, 0.3210,
0.2970

 15.4874, 0.3297,
0.2605

226.2974, 0.3205,
0.2990

 9.1621, 0.3322,
0.2492

273.8661, 0.3201,
0.3007

 4.8471, 0.3355,
0.2335


327.6733, 0.3197,


 2.1578, 0.3399,


0.3023

0.2105


388.1034, 0.3193,
0.3037


 0.6969, 0.3471,
0.1709


 0.0000, 0.3333,
0.0000


 68.5779, 0.3239,
0.2853

 68.5779, 0.3239,
0.2853

 57.4800, 0.3302,
0.2649

 81.6381, 0.3183,
0.3056

 48.2666, 0.3372,
0.2451

 96.7721, 0.3136,
0.3252

 40.8245, 0.3450,
0.2269

100.0000, 0.3127,
0.3290

 35.0368, 0.3533,
0.2113

■ 30.7722, 0.3619,
0.1993

■ 27.8795, 0.3704,
0.1917

■ 26.1765, 0.3788,
0.1889

■ 25.4505, 0.3852,
0.1896

Harmonies

Analogous

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



68.5779, 0.2868, 0.2706



68.5779, 0.3239, 0.2853



68.5779, 0.3598, 0.3101

Triad

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



68.5779, 0.3239, 0.2853



68.5779, 0.3679, 0.3906



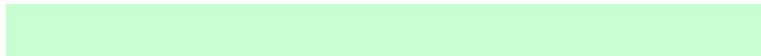
68.5779, 0.2472, 0.3112

Complementary

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



68.5779, 0.3239, 0.2853



88.3615, 0.3032, 0.3771

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.



68.5779, 0.2665, 0.3471



68.5779, 0.3239, 0.2853



68.5779, 0.3357, 0.3954

Square

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



68.5779, 0.3239, 0.2853



68.5779, 0.3857, 0.3694



68.5779, 0.2985, 0.3794



68.5779, 0.2444, 0.2833

Rectangle

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



68.5779, 0.3239, 0.2853



68.5779, 0.3772, 0.3299



68.5779, 0.2985, 0.3794



68.5779, 0.2519, 0.3227

Sweetspot

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



68.5712, 0.3239, 0.2853



88.8917, 0.3159, 0.3155



61.7884, 0.2831, 0.2687



18.8319, 0.3162, 0.3143



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.



68.5712, 0.3239, 0.2853



63.8660, 0.3263, 0.2770



67.0462, 0.3444, 0.3119



18.2299, 0.3171, 0.3105



13.3213, 0.3839, 0.1889



1.3129, 0.3753, 0.1841

Inverse Universe

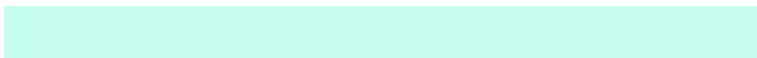
The Inverse Universe completely reimagines the original color for something new.



68.5712, 0.3239, 0.2853



63.8660, 0.3263, 0.2770



89.8444, 0.2886, 0.3468



18.2299, 0.3171, 0.3105



13.3213, 0.3839, 0.1889



1.3129, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 68.5779, 0.3239, 0.2853 looks on a white background.

Color Contrast Check

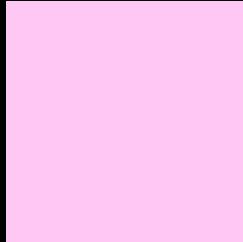
Large Text (above 18pt) WCAG AA × Fail

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 68.5779, 0.3239, 0.2853 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 68.5779, 0.3239, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 68.5779, 0.3239, 0.2853.



This preview shows how white text looks on a background with the Yxy color 68.5779, 0.3239, 0.2853.

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

68.5779, 0.3239, 0.2853

Protanopia

68.7403, 0.2843, 0.2871

Deuteranopia

68.6128, 0.3034, 0.2962



Tritanopia

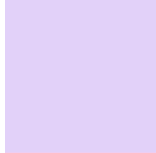
68.5218, 0.3390, 0.3127

Trichromacy



Original Color

68.5779, 0.3239, 0.2853



Protanomaly

68.6092, 0.2982, 0.2871



Deuteranomaly

68.5579, 0.3108, 0.2918



Tritanomaly

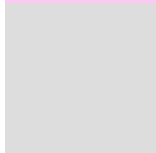
68.7251, 0.3331, 0.3027

Monochromacy



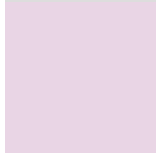
Original Color

68.5779, 0.3239, 0.2853



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

70.5693, 0.3164, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5779, 0.3239, 0.2853 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 243) }
```

Border

The CSS property to change the border of an element to Yxy 68.5779, 0.3239, 0.2853 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, 243) }
```

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

```
.border{ border-color:rgb(255, 199, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5779, 0.3239, 0.2853 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
199, 243) }
```

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