

Converting Colors

Yxy(67.9112, 0.3099, 0.2732)

Have a look what the booklet for
Yxy(67.9112, 0.3099, 0.2732)
contains.

Yxy(68.0233, 0.3101, 0.2733)	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(68.0233, 0.3101, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	F8C7FF
RGB	248, 199, 255
RGB Percent	97%, 78%, 100%
CMY	0.0275, 0.2196, 0.0000
CMYK	0.03, 0.22, 0.00, 0.00
HSL	292°, 100%, 89%
HSV	292°, 22%, 100%
XYZ	77.1827, 68.0233, 103.6901
YIQ	220.0350, 11.2280, 27.8040

Conversions

Conversions Part 2

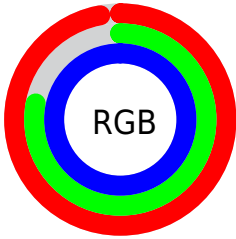
Format	Color
R_{YB}	248, 199, 255
Decimal	16304127
CIE _{Lab}	86.02, 26.74, -20.88
CIE _{LCh}	86, 33.927, 322.026
Yxy	68.0233, 0.3101, 0.2733
Android (android.graphics.Color)	4294494207 (0xFFFF8C7FF)
YUV	220.0350, 17.2377, 24.5253
Hunter-Lab	82.4762, 22.7099, -16.8067

Details

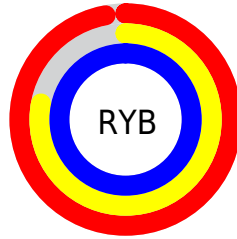
The Yxy color $68.0233, 0.3101, 0.2733$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.7699, 0.3141, 0.3898$, and the grayscale version is $71.4670, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.4044, 0.3091, 0.2617$ is the 20% darker color. If you saturate the color by 10%, you get $56.6770, 0.3084, 0.2473$, and if you desaturate by 10%, it is $81.3482, 0.3115, 0.2992$.

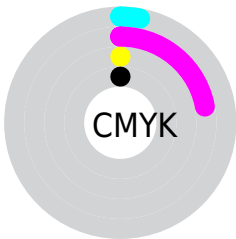
Distribution



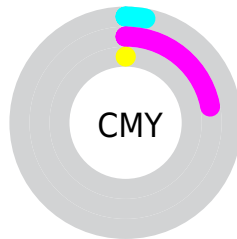
- Red (97%)
- Green (78%)
- Blue (100%)



- Red (97%)
- Yellow (78%)
- Blue (100%)



- Cyan (3%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0233, 0.3101, 0.2733 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 68.0233, 0.3101, 0.2733 by changing the saturation by 10% instead.

 68.0233, 0.3101,
0.2733

 68.0233, 0.3101,
0.2733


453.5786, 0.3118,
0.2982

 49.9167, 0.3096,
0.2678


116.3855, 0.3108,
0.2818

 35.3472, 0.3090,
0.2612


147.4098, 0.3110,
0.2851

 23.9305, 0.3081,
0.2529


183.5089, 0.3112,
0.2880

 15.2820, 0.3068,
0.2425

225.0670, 0.3114,
0.2905

 9.0176, 0.3048,
0.2287

272.4687, 0.3115,
0.2928

 4.7526, 0.3016,
0.2099


326.0982, 0.3116,


 2.1029, 0.2958,


0.2948


0.1829

386.3401, 0.3117,
0.2966


 0.6662, 0.2847,
0.1386


 0.0000, 0.1927,
0.0000


 68.0233, 0.3101,
0.2733


 68.0233, 0.3101,
0.2733

 56.6770, 0.3084,
0.2473


 81.3482, 0.3115,
0.2992

 47.2076, 0.3063,
0.2220

 96.7390, 0.3125,
0.3242

 39.5098, 0.3038,
0.1985

100.0000, 0.3127,
0.3290

 33.4668, 0.3010,
0.1778

■ 28.9474, 0.2980,
0.1609

■ 25.8005, 0.2948,
0.1483

■ 23.8438, 0.2915,
0.1403

■ 22.9137, 0.2889,
0.1365

Harmonies

Analogous

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



68.0233, 0.2711, 0.2619



68.0233, 0.3101, 0.2733



68.0233, 0.3524, 0.2973

Triad

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



68.0233, 0.3101, 0.2733



68.0233, 0.3837, 0.3910



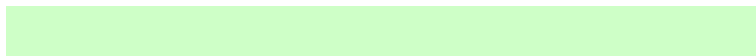
68.0233, 0.2451, 0.3222

Complementary

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



68.0233, 0.3101, 0.2733



88.7699, 0.3141, 0.3898

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.



68.0233, 0.2720, 0.3633



68.0233, 0.3101, 0.2733



68.0233, 0.3519, 0.4043

Square

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



68.0233, 0.3101, 0.2733



68.0233, 0.3963, 0.3628



68.0233, 0.3109, 0.3948



68.0233, 0.2356, 0.2868

Rectangle

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



68.0233, 0.3101, 0.2733



68.0233, 0.3759, 0.3180



68.0233, 0.3109, 0.3948



68.0233, 0.2523, 0.3360

Sweetspot

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



68.0246, 0.3101, 0.2733



88.7134, 0.3121, 0.3118



63.7353, 0.2761, 0.2758



18.7905, 0.3120, 0.3102



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.



68.0246, 0.3101, 0.2733



63.2040, 0.3095, 0.2628



68.0791, 0.3302, 0.2935



18.1781, 0.3118, 0.3054



12.0183, 0.2894, 0.1368



1.2012, 0.2932, 0.1389

Inverse Universe

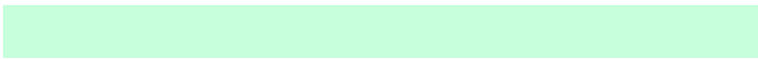
The Inverse Universe completely reimagines the original color for something new.



66.5691, 0.3521, 0.3219



61.5580, 0.3616, 0.3205



88.8064, 0.2986, 0.3674



18.0241, 0.3275, 0.3260



11.1746, 0.6246, 0.3215



1.0991, 0.6000, 0.3079

Previews

White Background



This preview shows how the Yxy color 68.0233, 0.3101, 0.2733 looks on a white background.

Color Contrast Check

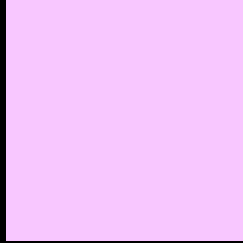
Large Text (above 18pt) WCAG AA × Fail

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 68.0233, 0.3101, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

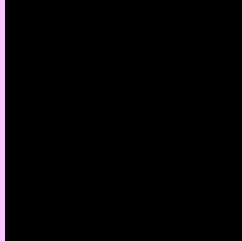
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0233, 0.3101, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 68.0233, 0.3101, 0.2733.



This preview shows how white text looks on a background with the Yxy color 68.0233, 0.3101, 0.2733.

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

68.0233, 0.3101, 0.2733

Protanopia

68.4349, 0.2812, 0.2849

Deuteranopia

68.0905, 0.2902, 0.2835



Tritanopia

67.9378, 0.3303, 0.3123

Trichromacy



Original Color

68.0233, 0.3101, 0.2733



Protanomaly

68.1931, 0.2909, 0.2807



Deuteranomaly

67.9564, 0.2971, 0.2793



Tritanomaly

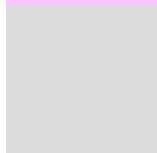
68.0075, 0.3232, 0.2982

Monochromacy



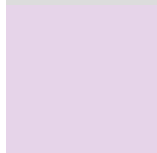
Original Color

68.0233, 0.3101, 0.2733



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

69.7932, 0.3116, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0233, 0.3101, 0.2733 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(248, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 199, 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(248, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.0233, 0.3101, 0.2733 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(248, 199, 255) }
```

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

```
.border{ border-color:rgb(248, 199, 255) }
```

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

Here you see how a box with a 4 pixel rgb(248, 199, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0233, 0.3101, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 199, 255) }
```

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

```
.background{ background-color: rgb(248,  
199, 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](#).

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