

Converting Colors

$Y_{xy}(69.8620, 0.3099, 0.2773)$

Have a look what the booklet for
Yxy(69.8620, 0.3099, 0.2773)
contains.

Yxy(69.8883, 0.3100, 0.2774)	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(69.8883, 0.3100, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	F8CBFF
RGB	248, 203, 255
RGB Percent	97%, 80%, 100%
CMY	0.0276, 0.2038, 0.0001
CMYK	0.03, 0.20, 0.00, 0.00
HSL	292°, 100%, 90%
HSV	292°, 20%, 100%
XYZ	78.1016, 69.8883, 103.9507
YIQ	222.3830, 10.1280, 25.7120

Conversions

Conversions Part 2

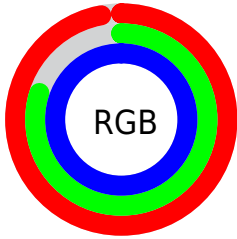
Format	Color
R _Y B	248, 203, 255
Decimal	16305151
CIE Lab	86.94, 24.61, -19.45
CIE LCh	87, 31.363, 321.679
Yxy	69.8883, 0.3100, 0.2774
Android (android.graphics.Color)	4294495231 (0xFFFF8CBFF)
YUV	222.3830, 16.0802, 22.4661
Hunter-Lab	83.5992, 20.4628, -15.2041

Details

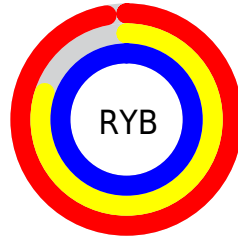
The Yxy color $69.8883, 0.3100, 0.2774$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.5172, 0.3144, 0.3849$, and the grayscale version is $73.2094, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.6485, 0.3089, 0.2668$ is the 20% darker color. If you saturate the color by 10%, you get $58.1983, 0.3081, 0.2513$, and if you desaturate by 10%, it is $83.5762, 0.3115, 0.3032$.

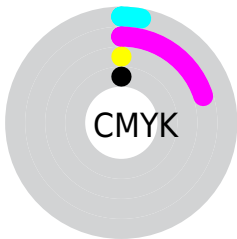
Distribution



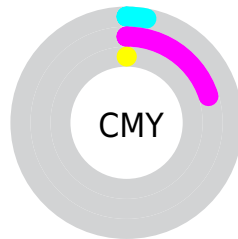
- Red (97%)
- Green (80%)
- Blue (100%)



- Red (97%)
- Yellow (80%)
- Blue (100%)



- Cyan (3%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8883, 0.3100, 0.2774 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 69.8883, 0.3100, 0.2774 by changing the saturation by 10% instead.


 69.8883, 0.3100,
0.2774

 69.8883, 0.3100,
0.2774

460.1577, 0.3117,
0.3004

 51.4355, 0.3095,
0.2723


119.0494, 0.3106,
0.2852

 36.5553, 0.3089,
0.2662


150.5266, 0.3109,
0.2883

 24.8634, 0.3081,
0.2586


187.1139, 0.3111,
0.2910

 15.9753, 0.3069,
0.2488

229.1959, 0.3112,
0.2934

 9.5067, 0.3051,
0.2361

277.1568, 0.3114,
0.2954

 5.0731, 0.3022,
0.2186

331.3812, 0.3115,

 2.2902, 0.2970,

0.2973

0.1935

392.2533, 0.3116,
0.2989

0.7685, 0.2866,
0.1538

0.0000, 0.2196,
0.0000

69.8883, 0.3100,
0.2774

69.8883, 0.3100,
0.2774

58.1983, 0.3081,
0.2513

83.5762, 0.3115,
0.3032

48.4003, 0.3058,
0.2257

99.3431, 0.3127,
0.3281

40.3925, 0.3031,
0.2017

99.9978, 0.3127,
0.3290

34.0599, 0.3001,
0.1803

■ 29.2738, 0.2968,
0.1625

■ 25.8869, 0.2934,
0.1490

■ 23.7231, 0.2898,
0.1401

■ 22.5233, 0.2864,
0.1351

Harmonies

Analogous

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



69.8883, 0.2742, 0.2670



69.8883, 0.3100, 0.2774



69.8883, 0.3487, 0.2995

Triad

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



69.8883, 0.3100, 0.2774



69.8883, 0.3781, 0.3859



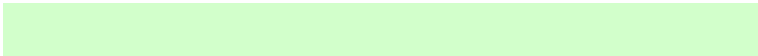
69.8883, 0.2508, 0.3235

Complementary

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



69.8883, 0.3100, 0.2774



89.5172, 0.3144, 0.3849

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.



69.8883, 0.2758, 0.3607



69.8883, 0.3100, 0.2774



69.8883, 0.3493, 0.3978

Square

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



69.8883, 0.3100, 0.2774



69.8883, 0.3893, 0.3601



69.8883, 0.3117, 0.3892



69.8883, 0.2417, 0.2908

Rectangle

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



69.8883, 0.3100, 0.2774



69.8883, 0.3702, 0.3187



69.8883, 0.3117, 0.3892



69.8883, 0.2575, 0.3360

Sweetspot

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



69.8913, 0.3100, 0.2774



90.2344, 0.3121, 0.3142



66.4159, 0.2790, 0.2811



19.0963, 0.3120, 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.



69.8913, 0.3100, 0.2774



65.4425, 0.3094, 0.2679



70.0798, 0.3280, 0.2953



18.1688, 0.3116, 0.3054



11.8207, 0.2870, 0.1355



1.1838, 0.2911, 0.1377

Inverse Universe

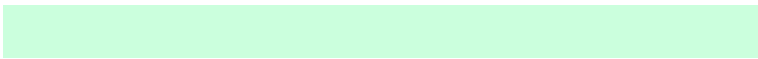
The Inverse Universe completely reimagines the original color for something new.



68.6326, 0.3482, 0.3219



64.0215, 0.3563, 0.3206



89.4294, 0.3001, 0.3653



18.0270, 0.3273, 0.3258



11.1825, 0.6228, 0.3205



1.1005, 0.5972, 0.3064

Previews

White Background



This preview shows how the Yxy color 69.8883, 0.3100, 0.2774 looks on a white background.

Color Contrast Check

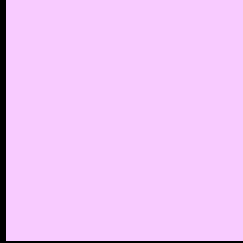
Large Text (above 18pt) WCAG AA × Fail

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 69.8883, 0.3100, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

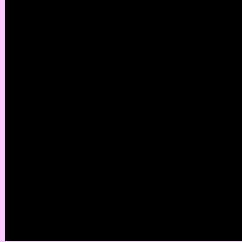
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8883, 0.3100, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 69.8883, 0.3100, 0.2774.

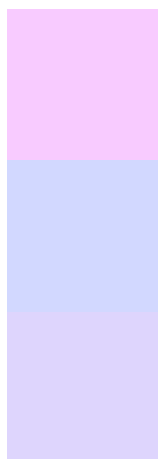


This preview shows how white text looks on a background with the Yxy color 69.8883, 0.3100, 0.2774.

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

69.8883, 0.3100, 0.2774

Protanopia

70.0334, 0.2839, 0.2874

Deuteranopia

70.2099, 0.2930, 0.2871



Tritanopia

69.7811, 0.3278, 0.3114

Trichromacy



Original Color

69.8883, 0.3100, 0.2774



Protanomaly

69.6558, 0.2930, 0.2832



Deuteranomaly

69.7456, 0.2985, 0.2827



Tritanomaly

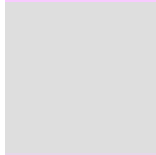
69.6112, 0.3209, 0.2983

Monochromacy



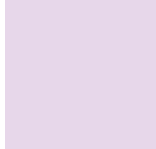
Original Color

69.8883, 0.3100, 0.2774



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

71.5303, 0.3115, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8883, 0.3100, 0.2774 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, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 203, 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, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.8883, 0.3100, 0.2774 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, 203, 255) }
```

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

```
.border{ border-color:rgb(248, 203, 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, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 203, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 203, 255); box-shadow:4px 4px 4px 4px rgb(248, 203, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8883, 0.3100, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 203, 255) }
```

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

```
.background{ background-color: rgb(248,  
203, 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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