

Converting Colors

$Y_{xy}(69.7536, 0.3075, 0.2780)$

Have a look what the booklet for
Yxy(69.7536, 0.3075, 0.2780)
contains.

Yxy(69.8182, 0.3078, 0.2780)	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(69.8182, 0.3078, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	F5CCFF
RGB	245, 204, 255
RGB Percent	96%, 80%, 100%
CMY	0.0392, 0.2000, 0.0000
CMYK	0.04, 0.20, 0.00, 0.00
HSL	288°, 100%, 90%
HSV	288°, 20%, 100%
XYZ	77.3023, 69.8182, 104.0241
YIQ	222.0730, 8.0650, 24.5530

Conversions

Conversions Part 2

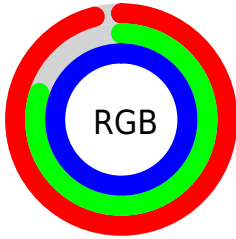
Format	Color
R _Y B	245, 204, 255
Decimal	16108799
CIE Lab	86.91, 23.15, -19.55
CIE LCh	87, 30.303, 319.816
Yxy	69.8182, 0.3078, 0.2780
Android (android.graphics.Color)	4294298879 (0xFFF5CCFF)
YUV	222.0730, 16.2330, 20.1070
Hunter-Lab	83.5573, 18.9125, -15.3226

Details

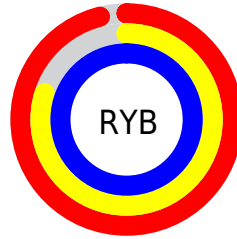
The Yxy color **69.8182, 0.3078, 0.2780** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.1752, 0.3163, 0.3834**, and the grayscale version is **72.9813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5813, 0.3061, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **57.7876, 0.3046, 0.2514**, and if you desaturate by 10%, it is **83.8612, 0.3105, 0.3041**.

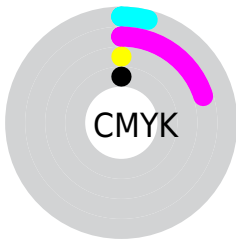
Distribution



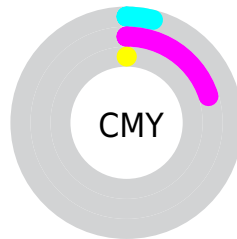
- Red (96%)
- Green (80%)
- Blue (100%)



- Red (96%)
- Yellow (80%)
- Blue (100%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8182, 0.3078, 0.2780 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 69.8182, 0.3078, 0.2780 by changing the saturation by 10% instead.

 69.8182, 0.3078,
0.2780

 69.8182, 0.3078,
0.2780


459.9114, 0.3105,
0.3008

 51.3783, 0.3071,
0.2730

118.9495, 0.3088,
0.2858

 36.5098, 0.3062,
0.2669


150.4096, 0.3092,
0.2888

 24.8282, 0.3050,
0.2593


186.9787, 0.3095,
0.2915

 15.9491, 0.3034,
0.2497

229.0411, 0.3097,
0.2938

 9.4881, 0.3010,
0.2370

276.9812, 0.3099,
0.2959

 5.0609, 0.2973,
0.2196

331.1833, 0.3101,

 2.2831, 0.2909,

0.2977

0.1944

392.0319, 0.3103,
0.2993

0.7647, 0.2785,
0.1547

0.0000, 0.1942,
0.0000

69.8182, 0.3078,
0.2780

69.8182, 0.3078,
0.2780

57.7876, 0.3046,
0.2514

83.8612, 0.3105,
0.3041

47.6671, 0.3008,
0.2250

100.0000, 0.3127,
0.3290

39.3540, 0.2964,
0.1999

32.7334, 0.2916,
0.1772

■ 27.6770, 0.2865,
0.1580

■ 24.0383, 0.2812,
0.1430

■ 21.6423, 0.2760,
0.1327

■ 20.2032, 0.2708,
0.1265

■ 20.2032, 0.2708,
0.1265

Harmonies

Analogous

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



69.8182, 0.2736, 0.2688



69.8182, 0.3078, 0.2780



69.8182, 0.3453, 0.2989

Triad

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



69.8182, 0.3078, 0.2780



69.8182, 0.3772, 0.3828



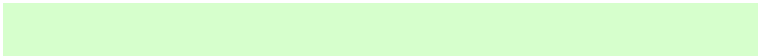
69.8182, 0.2538, 0.3260

Complementary

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



69.8182, 0.3078, 0.2780



90.1752, 0.3163, 0.3834

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.



69.8182, 0.2790, 0.3617



69.8182, 0.3078, 0.2780



69.8182, 0.3502, 0.3953

Square

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



69.8182, 0.3078, 0.2780



69.8182, 0.3867, 0.3575



69.8182, 0.3141, 0.3881



69.8182, 0.2439, 0.2938

Rectangle

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



69.8182, 0.3078, 0.2780



69.8182, 0.3666, 0.3173



69.8182, 0.3141, 0.3881



69.8182, 0.2607, 0.3381

Sweetspot

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



69.8200, 0.3078, 0.2780



90.0594, 0.3115, 0.3142



68.2527, 0.2799, 0.2849



19.0548, 0.3113, 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.



69.8200, 0.3078, 0.2780



64.7705, 0.3066, 0.2674



70.7200, 0.3259, 0.2935



18.1100, 0.3106, 0.3054



10.6202, 0.2716, 0.1270



1.0778, 0.2775, 0.1303

Inverse Universe

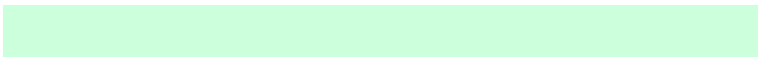
The Inverse Universe completely reimagines the original color for something new.



69.3013, 0.3450, 0.3189



64.2008, 0.3533, 0.3168



89.4879, 0.3017, 0.3674



18.0453, 0.3263, 0.3244



11.2454, 0.6090, 0.3129



1.1094, 0.5795, 0.2966

Previews

White Background



This preview shows how the Yxy color 69.8182, 0.3078, 0.2780 looks on a white background.

Color Contrast Check

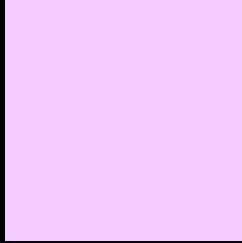
Large Text (above 18pt) WCAG AA × Fail

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 69.8182, 0.3078, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

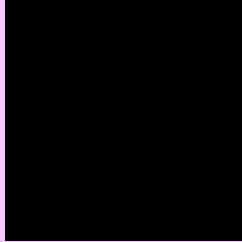
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8182, 0.3078, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 69.8182, 0.3078, 0.2780.



This preview shows how white text looks on a background with the Yxy color 69.8182, 0.3078, 0.2780.

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

69.8182, 0.3078, 0.2780

Protanopia

70.0334, 0.2839, 0.2874

Deuteranopia

70.2099, 0.2930, 0.2871



Tritanopia

69.7927, 0.3248, 0.3113

Trichromacy



Original Color

69.8182, 0.3078, 0.2780

Protanomaly

69.9949, 0.2924, 0.2841

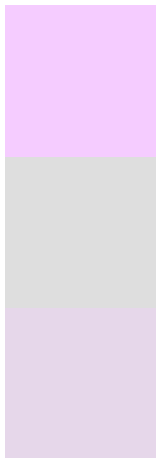
Deuteranomaly

70.0719, 0.2978, 0.2836

Tritanomaly

69.6173, 0.3179, 0.2982

Monochromacy



Original Color

69.8182, 0.3078, 0.2780

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.3644, 0.3108, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8182, 0.3078, 0.2780 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(245, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 204, 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(245, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.8182, 0.3078, 0.2780 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(245, 204, 255) }
```

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

```
.border{ border-color:rgb(245, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8182, 0.3078, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 204, 255) }
```

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

```
.background{ background-color: rgb(245,  
204, 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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