

Converting Colors

$Y_{xy}(80.9595, 0.3131, 0.2979)$

Have a look what the booklet for
Yxy(80.9595, 0.3131, 0.2979)
contains.

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Color

Yxy(80.8780, 0.3128, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	FDDFFF
RGB	253, 223, 255
RGB Percent	99%, 87%, 100%
CMY	0.0078, 0.1255, 0.0000
CMYK	0.01, 0.13, 0.00, 0.00
HSL	296°, 100%, 94%
HSV	296°, 13%, 100%
XYZ	84.9518, 80.8780, 105.7552
YIQ	235.6180, 7.6080, 16.3120

Conversions

Conversions Part 2

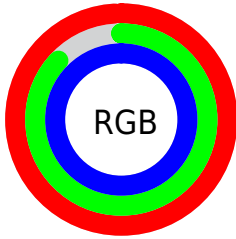
Format	Color
R _Y B	253, 223, 255
Decimal	16637951
CIE Lab	92.08, 15.78, -11.73
CIE LCh	92, 19.660, 323.385
Yxy	80.8780, 0.3128, 0.2978
Android (android.graphics.Color)	4294828031 (0xFFFDFFFF)
YUV	235.6180, 9.5553, 15.2440
Hunter-Lab	89.9322, 11.2334, -6.7692

Details

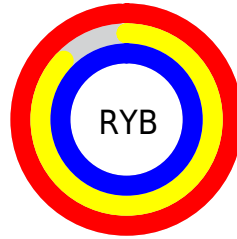
The Yxy color **80.8780, 0.3128, 0.2978** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.8523, 0.3124, 0.3620**, and the grayscale version is **83.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8182, 0.3127, 0.2918** is the 20% darker color. If you saturate the color by 10%, you get **67.9696, 0.3127, 0.2723**, and if you desaturate by 10%, it is **95.8455, 0.3128, 0.3228**.

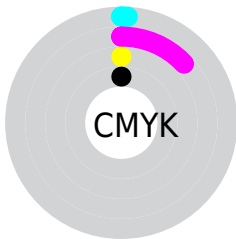
Distribution



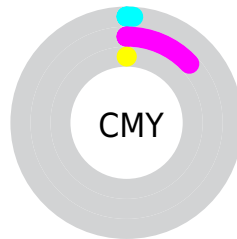
- Red (99%)
- Green (87%)
- Blue (100%)



- Red (99%)
- Yellow (87%)
- Blue (100%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8780, 0.3128, 0.2978 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 80.8780, 0.3128, 0.2978 by changing the saturation by 10% instead.

 80.8780, 0.3128,
0.2978

 80.8780, 0.3128,
0.2978


497.8868, 0.3129,
0.3116

 60.4411, 0.3127,
0.2948


134.5995, 0.3129,
0.3025

 43.7743, 0.3127,
0.2911


168.6528, 0.3129,
0.3043

 30.4931, 0.3125,
0.2866


208.0138, 0.3129,
0.3059

 20.2132, 0.3123,
0.2808

253.0668, 0.3129,
0.3074

 12.5501, 0.3120,
0.2732

304.1962, 0.3129,
0.3086

 7.1195, 0.3114,
0.2629

361.7864, 0.3129,

 3.5369, 0.3103,

0.3097

0.2479

426.2218, 0.3129,
0.3107

■ 1.4181, 0.3078,
0.2242

■ 0.2300, 0.3165,
0.1205

■ 80.8780, 0.3128,
0.2978

■ 80.8780, 0.3128,
0.2978

■ 67.9696, 0.3127,
0.2723

■ 95.8455, 0.3128,
0.3228

■ 57.0218, 0.3124,
0.2468

100.0000, 0.3127,
0.3290

■ 47.9385, 0.3119,
0.2225

■ 40.6130, 0.3112,
0.2002

■ 34.9274, 0.3103,
0.1810

■ 30.7497, 0.3091,
0.1656

■ 27.9275, 0.3078,
0.1547

■ 26.2760, 0.3063,
0.1481

■ 25.6045, 0.3051,
0.1455

Harmonies

Analogous

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



80.8780, 0.2908, 0.2911



80.8780, 0.3128, 0.2978



80.8780, 0.3355, 0.3121

Triad

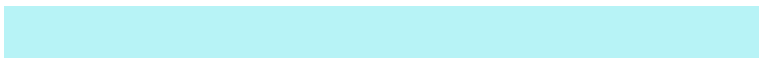
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8780, 0.3128, 0.2978



80.8780, 0.3513, 0.3642



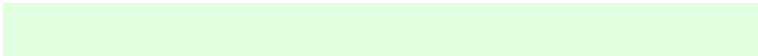
80.8780, 0.2745, 0.3251

Complementary

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



80.8780, 0.3128, 0.2978



92.8523, 0.3124, 0.3620

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.



80.8780, 0.2897, 0.3466



80.8780, 0.3128, 0.2978



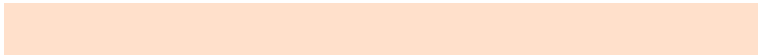
80.8780, 0.3339, 0.3696

Square

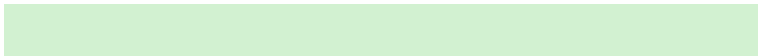
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8780, 0.3128, 0.2978



80.8780, 0.3582, 0.3498



80.8780, 0.3113, 0.3632



80.8780, 0.2693, 0.3058

Rectangle

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



80.8780, 0.3128, 0.2978



80.8780, 0.3478, 0.3243



80.8780, 0.3113, 0.3632



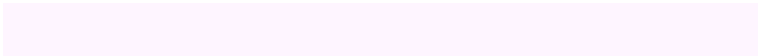
80.8780, 0.2786, 0.3324

Sweetspot

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



80.8803, 0.3128, 0.2978



93.5441, 0.3128, 0.3192



76.8296, 0.2927, 0.2981



19.7706, 0.3128, 0.3174



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.



80.8803, 0.3128, 0.2978



77.5300, 0.3128, 0.2916



80.3934, 0.3233, 0.3112



18.2397, 0.3128, 0.3055



13.4035, 0.3054, 0.1456



1.3217, 0.3073, 0.1466

Inverse Universe

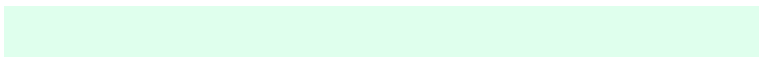
The Inverse Universe completely reimagines the original color for something new.



79.4699, 0.3343, 0.3271



75.8778, 0.3392, 0.3267



93.3143, 0.3034, 0.3475



18.0053, 0.3285, 0.3276



11.1350, 0.6338, 0.3265



1.0903, 0.6194, 0.3186

Previews

White Background



This preview shows how the Yxy color 80.8780, 0.3128, 0.2978 looks on a white background.

Color Contrast Check

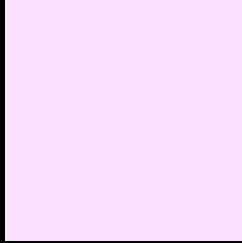
Large Text (above 18pt) WCAG AA × Fail

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 80.8780, 0.3128, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

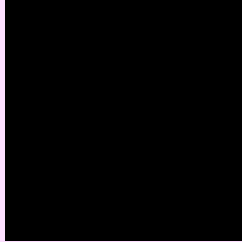
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

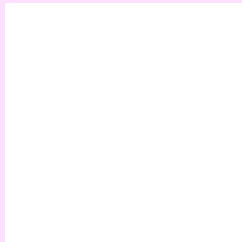
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8780, 0.3128, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 80.8780, 0.3128, 0.2978.

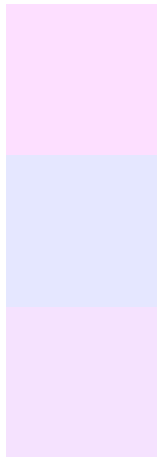


This preview shows how white text looks on a background with the Yxy color 80.8780, 0.3128, 0.2978.

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

80.8780, 0.3128, 0.2978

Protanopia

81.0298, 0.2967, 0.3046

Deuteranopia

80.9609, 0.3079, 0.3013



Tritanopia

80.8307, 0.3191, 0.3112

Trichromacy



Original Color

80.8780, 0.3128, 0.2978

Protanomaly

80.8839, 0.3026, 0.3019

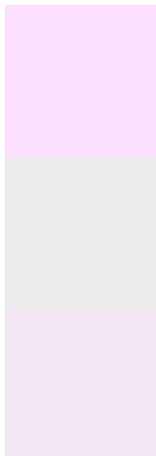
Deuteranomaly

80.9626, 0.3100, 0.3004

Tritanomaly

80.7222, 0.3172, 0.3064

Monochromacy



Original Color

80.8780, 0.3128, 0.2978

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

82.5001, 0.3126, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8780, 0.3128, 0.2978 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(253, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 223, 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(253, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8780, 0.3128, 0.2978 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(253, 223, 255) }
```

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

```
.border{ border-color:rgb(253, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8780, 0.3128, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 223, 255) }
```

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

```
.background{ background-color: rgb(253,  
223, 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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