

Converting Colors

Yxy(81.8933, 0.2696, 0.2466)

Have a look what the booklet for
Yxy(81.8933, 0.2696, 0.2466)
contains.

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Color

Yxy(77.8282, 0.3013, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	ECDFFF
RGB	236, 223, 255
RGB Percent	93%, 87%, 100%
CMY	0.0744, 0.1255, 0.0001
CMYK	0.07, 0.13, 0.00, 0.00
HSL	264°, 100%, 94%
HSV	264°, 13%, 100%
XYZ	79.0348, 77.8282, 105.4497
YIQ	230.5350, -2.5240, 12.7080

Conversions

Conversions Part 2

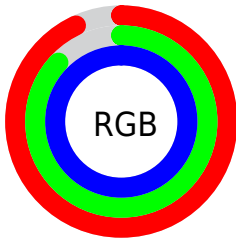
Format	Color
R _Y B	236, 223, 255
Decimal	15523839
CIE Lab	90.70, 10.26, -13.91
CIE LCh	91, 17.282, 306.415
Yxy	77.8282, 0.3013, 0.2967
Android (android.graphics.Color)	4293713919 (0xFFECDFFF)
YUV	230.5350, 12.0612, 4.7928
Hunter-Lab	88.2203, 5.5292, -9.1151

Details

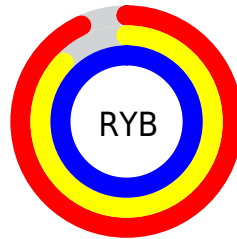
The Yxy color **77.8282, 0.3013, 0.2967** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.7057, 0.3231, 0.3610**, and the grayscale version is **79.4621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7858, 0.2987, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **62.7389, 0.2905, 0.2684**, and if you desaturate by 10%, it is **95.1946, 0.3106, 0.3228**.

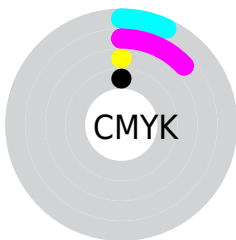
Distribution



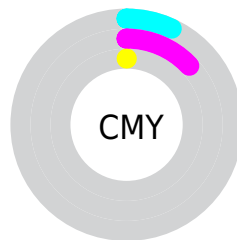
- Red (93%)
- Green (87%)
- Blue (100%)



- Red (93%)
- Yellow (87%)
- Blue (100%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8282, 0.3013, 0.2967 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 77.8282, 0.3013, 0.2967 by changing the saturation by 10% instead.

 77.8282, 0.3013,
0.2967

 77.8282, 0.3013,
0.2967


487.5832, 0.3066,
0.3112

 57.9329, 0.3001,
0.2935

130.3079, 0.3031,
0.3016

 41.7547, 0.2986,
0.2896


163.6611, 0.3039,
0.3036

 28.9092, 0.2967,
0.2848


202.2690, 0.3045,
0.3053

 19.0122, 0.2942,
0.2786

246.5160, 0.3050,
0.3067

 11.6791, 0.2908,
0.2704

296.7865, 0.3055,
0.3080

 6.5255, 0.2859,
0.2591

353.4650, 0.3059,

 3.1672, 0.2783,

0.3092

0.2425

416.9357, 0.3063,
0.3102

■ 1.2196, 0.2651,
0.2159

■ 0.0777, 0.2218,
0.0531

■ 77.8282, 0.3013,
0.2967

■ 77.8282, 0.3013,
0.2967

■ 62.7389, 0.2905,
0.2684

■ 95.1946, 0.3106,
0.3228

■ 49.8199, 0.2783,
0.2382

99.9990, 0.3127,
0.3290

■ 38.9706, 0.2646,
0.2070

■ 30.0783, 0.2498,
0.1760

■ 23.0192, 0.2344,
0.1467

■ 17.6549, 0.2191,
0.1210

■ 13.8261, 0.2047,
0.1003

■ 11.3413, 0.1920,
0.0858

■ 10.1562, 0.1838,
0.0786

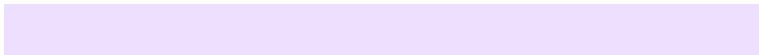
Harmonies

Analogous

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



77.8282, 0.2843, 0.2954



77.8282, 0.3013, 0.2967



77.8282, 0.3219, 0.3060

Triad

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



77.8282, 0.3013, 0.2967



77.8282, 0.3518, 0.3540



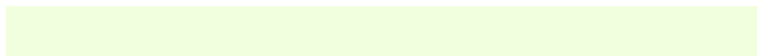
77.8282, 0.2854, 0.3365

Complementary

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



77.8282, 0.3013, 0.2967



95.7057, 0.3231, 0.3610

Split Complementary

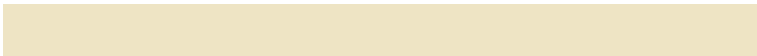
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8282, 0.3027, 0.3538



77.8282, 0.3013, 0.2967



77.8282, 0.3413, 0.3636

Square

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



77.8282, 0.3013, 0.2967



77.8282, 0.3516, 0.3383



77.8282, 0.3232, 0.3639



77.8282, 0.2753, 0.3176

Rectangle

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



77.8282, 0.3013, 0.2967



77.8282, 0.3349, 0.3155



77.8282, 0.3232, 0.3639



77.8282, 0.2905, 0.3428

Sweetspot

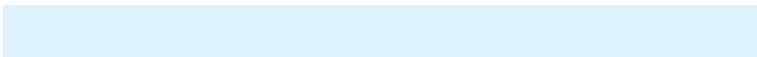
The Sweet Spot groups the original color and five complimentary colors.



77.8315, 0.3013, 0.2967



92.5356, 0.3093, 0.3191



86.5237, 0.2932, 0.3159



19.5150, 0.3087, 0.3172



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.



77.8315, 0.3013, 0.2967



73.9291, 0.2988, 0.2899



80.6486, 0.3120, 0.2978



17.7391, 0.3043, 0.3049



5.3895, 0.1854, 0.0795



0.5866, 0.1980, 0.0864

Inverse Universe

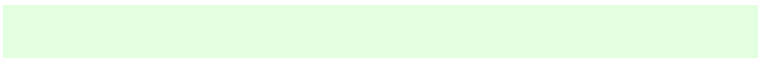
The Inverse Universe completely reimagines the original color for something new.



80.4390, 0.3227, 0.3104



77.0134, 0.3250, 0.3066



93.0379, 0.3132, 0.3619



18.1677, 0.3201, 0.3150



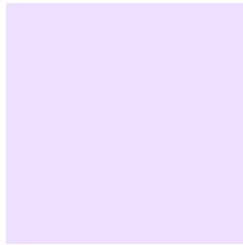
12.3082, 0.4575, 0.2294



1.2201, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 77.8282, 0.3013, 0.2967 looks on a white background.

Color Contrast Check

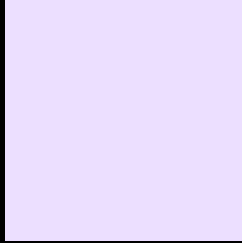
Large Text (above 18pt) WCAG AA × Fail

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 77.8282, 0.3013, 0.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

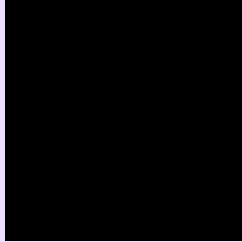
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8282, 0.3013, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 77.8282, 0.3013, 0.2967.

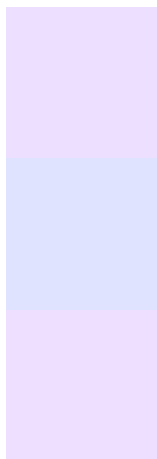


This preview shows how white text looks on a background with the Yxy color 77.8282, 0.3013, 0.2967.

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

77.8282, 0.3013, 0.2967

Protanopia

78.0055, 0.2934, 0.3001

Deuteranopia

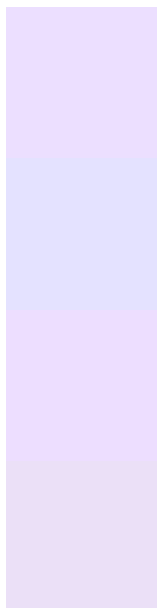
77.6397, 0.3026, 0.2958



Tritanopia

77.8139, 0.3074, 0.3105

Trichromacy



Original Color

77.8282, 0.3013, 0.2967

Protanomaly

78.1067, 0.2960, 0.2993

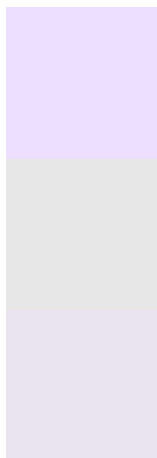
Deuteranomaly

77.4671, 0.3019, 0.2957

Tritanomaly

77.6889, 0.3056, 0.3055

Monochromacy



Original Color

77.8282, 0.3013, 0.2967

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.1017, 0.3085, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8282, 0.3013, 0.2967 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(236, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8282, 0.3013, 0.2967 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(236, 223, 255) }
```

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

```
.border{ border-color:rgb(236, 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(236, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 223,  
255) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.8282, 0.3013, 0.2967$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 223, 255) }
```

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

```
.background{ background-color: rgb(236,  
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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