

Converting Colors

$Y_{xy}(77.9672, 0.3034, 0.2961)$

Have a look what the booklet for
Yxy(77.9672, 0.3034, 0.2961)
contains.

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Color

Yxy(77.8133, 0.3033, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	EFDEFF
RGB	239, 222, 255
RGB Percent	94%, 87%, 100%
CMY	0.0628, 0.1294, 0.0001
CMYK	0.06, 0.13, 0.00, 0.00
HSL	271°, 100%, 94%
HSV	271°, 13%, 100%
XYZ	79.7593, 77.8133, 105.3990
YIQ	230.8450, -0.4610, 13.8670

Conversions

Conversions Part 2

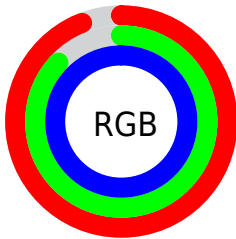
Format	Color
R _Y B	239, 222, 255
Decimal	15720191
CIE Lab	90.69, 11.72, -13.89
CIE LCh	91, 18.172, 310.164
Yxy	77.8133, 0.3033, 0.2959
Android (android.graphics.Color)	4293910271 (0xFFEFDEFF)
YUV	230.8450, 11.9084, 7.1519
Hunter-Lab	88.2118, 7.0252, -9.0938

Details

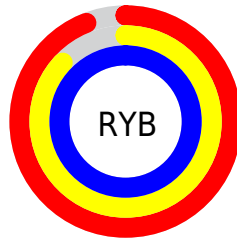
The Yxy color $77.8133, 0.3033, 0.2959$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.9553, 0.3212, 0.3622$, and the grayscale version is $79.6997, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.7819, 0.3013, 0.2891$ is the 20% darker color. If you saturate the color by 10%, you get $63.2001, 0.2946, 0.2680$, and if you desaturate by 10%, it is $94.6286, 0.3108, 0.3218$.

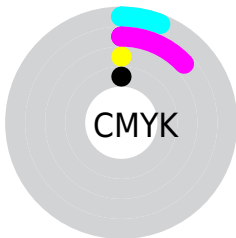
Distribution



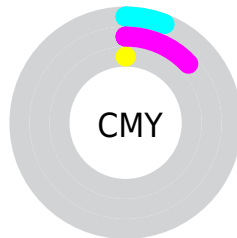
- Red (94%)
- Green (87%)
- Blue (100%)



- Red (94%)
- Yellow (87%)
- Blue (100%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8133, 0.3033, 0.2959 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 77.8133, 0.3033, 0.2959 by changing the saturation by 10% instead.

 77.8133, 0.3033,
0.2959

 77.8133, 0.3033,
0.2959


487.5325, 0.3077,
0.3107

 57.9206, 0.3023,
0.2926

130.2869, 0.3048,
0.3009

 41.7448, 0.3010,
0.2887

163.6366, 0.3054,
0.3029

 28.9015, 0.2994,
0.2837


202.2408, 0.3060,
0.3046

 19.0064, 0.2973,
0.2774

246.4838, 0.3064,
0.3062

 11.6749, 0.2944,
0.2691

296.7501, 0.3068,
0.3075

 6.5227, 0.2902,
0.2576

353.4241, 0.3071,

 3.1654, 0.2836,

0.3087

0.2408

416.8901, 0.3074,
0.3097

■ 1.2187, 0.2721,
0.2140

■ 0.0769, 0.2405,
0.0515

■ 77.8133, 0.3033,
0.2959

■ 77.8133, 0.3033,
0.2959

■ 63.2001, 0.2946,
0.2680

■ 94.6286, 0.3108,
0.3218

■ 50.6844, 0.2846,
0.2388

99.9982, 0.3127,
0.3290

■ 40.1679, 0.2734,
0.2089

■ 31.5404, 0.2611,
0.1795

■ 24.6804, 0.2482,
0.1522

■ 19.4519, 0.2352,
0.1283

■ 15.6980, 0.2225,
0.1093

■ 13.2290, 0.2109,
0.0959

■ 12.0648, 0.2033,
0.0894

Harmonies

Analogous

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



77.8133, 0.2847, 0.2934



77.8133, 0.3033, 0.2959



77.8133, 0.3250, 0.3065

Triad

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



77.8133, 0.3033, 0.2959



77.8133, 0.3531, 0.3569



77.8133, 0.2822, 0.3344

Complementary

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



77.8133, 0.3033, 0.2959



94.9553, 0.3212, 0.3622

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.



77.8133, 0.2996, 0.3532



77.8133, 0.3033, 0.2959



77.8133, 0.3407, 0.3661

Square

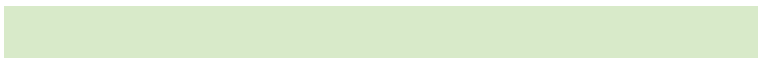
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8133, 0.3033, 0.2959



77.8133, 0.3543, 0.3410



77.8133, 0.3210, 0.3650



77.8133, 0.2728, 0.3147

Rectangle

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



77.8133, 0.3033, 0.2959



77.8133, 0.3383, 0.3169



77.8133, 0.3210, 0.3650



77.8133, 0.2872, 0.3411

Sweetspot

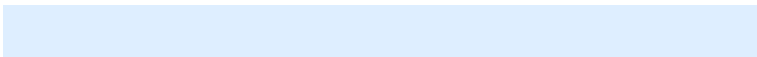
The Sweet Spot groups the original color and five complimentary colors.



77.8166, 0.3033, 0.2959



92.7373, 0.3100, 0.3191



84.1873, 0.2925, 0.3121



19.5660, 0.3095, 0.3173



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.



77.8166, 0.3033, 0.2959



73.1115, 0.3008, 0.2875



80.7237, 0.3142, 0.2970



17.8376, 0.3060, 0.3050



6.3950, 0.2050, 0.0903



0.6877, 0.2171, 0.0970

Inverse Universe

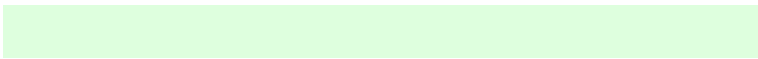
The Inverse Universe completely reimagines the original color for something new.



79.6788, 0.3255, 0.3132



75.3947, 0.3290, 0.3093



92.3092, 0.3111, 0.3632



18.1339, 0.3218, 0.3175



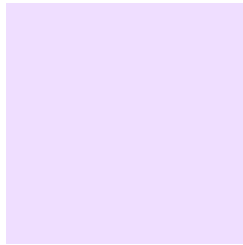
11.8954, 0.5027, 0.2543



1.1802, 0.4765, 0.2399

Previews

White Background



This preview shows how the Yxy color 77.8133, 0.3033, 0.2959 looks on a white background.

Color Contrast Check

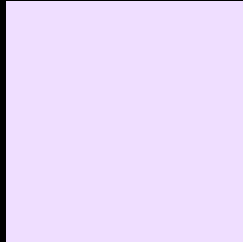
Large Text (above 18pt) WCAG AA × Fail

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 77.8133, 0.3033, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

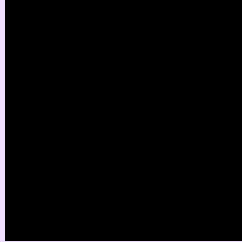
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

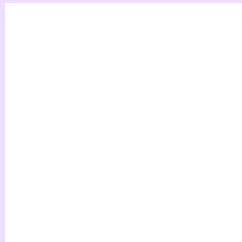
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8133, 0.3033, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 77.8133, 0.3033, 0.2959.

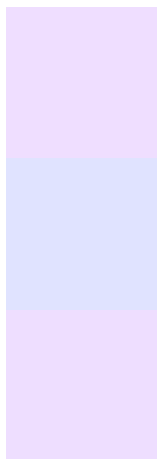


This preview shows how white text looks on a background with the Yxy color 77.8133, 0.3033, 0.2959.

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

77.8133, 0.3033, 0.2959

Protanopia

78.0055, 0.2934, 0.3001

Deuteranopia

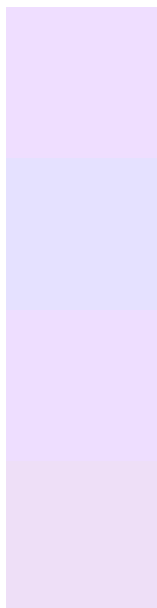
77.6397, 0.3026, 0.2958



Tritanopia

77.7266, 0.3101, 0.3106

Trichromacy



Original Color

77.8133, 0.3033, 0.2959

Protanomaly

77.7284, 0.2966, 0.2983

Deuteranomaly

77.6397, 0.3026, 0.2958

Tritanomaly

77.6679, 0.3076, 0.3046

Monochromacy



Original Color

77.8133, 0.3033, 0.2959

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.2705, 0.3092, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8133, 0.3033, 0.2959 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(239, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 222, 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(239, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8133, 0.3033, 0.2959 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(239, 222, 255) }
```

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

```
.border{ border-color:rgb(239, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8133, 0.3033, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 222, 255) }
```

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

```
.background{ background-color: rgb(239,  
222, 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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