

Converting Colors

$Yxy(78.1067, 0.3038, 0.2963)$

Have a look what the booklet for
Yxy(78.1067, 0.3038, 0.2963)
contains.

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Color

Yxy(77.9878, 0.3040, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	F0DEFF
RGB	240, 222, 255
RGB Percent	94%, 87%, 100%
CMY	0.0586, 0.1295, 0.0000
CMYK	0.06, 0.13, 0.00, 0.00
HSL	273°, 100%, 94%
HSV	273°, 13%, 100%
XYZ	80.1226, 77.9878, 105.4509
YIQ	231.1440, 0.1350, 14.0790

Conversions

Conversions Part 2

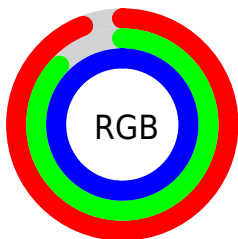
Format	Color
R _Y B	240, 222, 255
Decimal	15785727
CIE Lab	90.77, 12.09, -13.78
CIE LCh	91, 18.335, 311.263
Yxy	77.9878, 0.3040, 0.2959
Android (android.graphics.Color)	4293975807 (0xFFFF0DEFF)
YUV	231.1440, 11.7610, 7.7667
Hunter-Lab	88.3107, 7.4060, -8.9801

Details

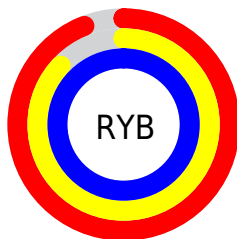
The Yxy color $77.9878, 0.3040, 0.2959$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.7850, 0.3205, 0.3623$, and the grayscale version is $79.9405, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.9050, 0.3022, 0.2892$ is the 20% darker color. If you saturate the color by 10%, you get $63.4978, 0.2959, 0.2682$, and if you desaturate by 10%, it is $94.6592, 0.3109, 0.3218$.

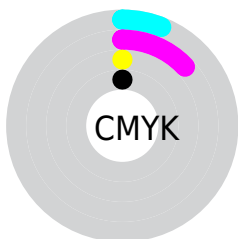
Distribution



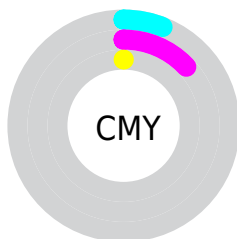
- Red (94%)
- Green (87%)
- Blue (100%)



- 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 77.9878, 0.3040, 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 77.9878, 0.3040, 0.2959 by changing the saturation by 10% instead.


 77.9878, 0.3040,
0.2959

 77.9878, 0.3040,
0.2959


488.1254, 0.3081,
0.3107

 58.0640, 0.3030,
0.2926


130.5329, 0.3054,
0.3009

 41.8601, 0.3019,
0.2887


163.9230, 0.3060,
0.3029

 28.9917, 0.3004,
0.2838


202.5706, 0.3065,
0.3046

 19.0746, 0.2984,
0.2775

246.8601, 0.3069,
0.3061

 11.7242, 0.2957,
0.2692

297.1760, 0.3072,
0.3075

 6.5562, 0.2918,
0.2577

353.9025, 0.3076,

 3.1861, 0.2856,

0.3087

0.2410

417.4242, 0.3079,
0.3097

■ 1.2297, 0.2747,
0.2143

■ 0.0857, 0.2474,
0.0563

■ 77.9878, 0.3040,
0.2959

■ 77.9878, 0.3040,
0.2959

■ 63.4978, 0.2959,
0.2682

■ 94.6592, 0.3109,
0.3218

■ 51.0884, 0.2867,
0.2392

100.0000, 0.3127,
0.3290

■ 40.6607, 0.2762,
0.2098

■ 32.1049, 0.2648,
0.1810

■ 25.3004, 0.2528,
0.1542

■ 20.1116, 0.2405,
0.1309

■ 16.3823, 0.2285,
0.1125

■ 13.9233, 0.2173,
0.0994

■ 12.7603, 0.2100,
0.0931

Harmonies

Analogous

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



77.9878, 0.2850, 0.2930



77.9878, 0.3040, 0.2959



77.9878, 0.3259, 0.3069

Triad

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



77.9878, 0.3040, 0.2959



77.9878, 0.3531, 0.3576



77.9878, 0.2814, 0.3337

Complementary

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



77.9878, 0.3040, 0.2959



94.7850, 0.3205, 0.3623

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.



77.9878, 0.2988, 0.3528



77.9878, 0.3040, 0.2959



77.9878, 0.3403, 0.3665

Square

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



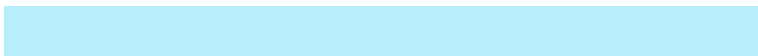
77.9878, 0.3040, 0.2959



77.9878, 0.3548, 0.3417



77.9878, 0.3203, 0.3650



77.9878, 0.2724, 0.3139

Rectangle

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



77.9878, 0.3040, 0.2959



77.9878, 0.3392, 0.3174



77.9878, 0.3203, 0.3650



77.9878, 0.2864, 0.3404

Sweetspot

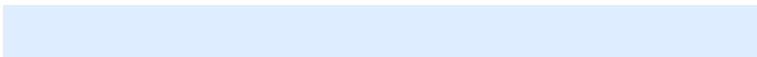
The Sweet Spot groups the original color and five complimentary colors.



77.9900, 0.3040, 0.2959



92.7988, 0.3102, 0.3192



83.5428, 0.2924, 0.3109



19.5816, 0.3097, 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.



77.9900, 0.3040, 0.2959



73.3390, 0.3017, 0.2876



80.6439, 0.3149, 0.2980



17.8678, 0.3065, 0.3050



6.7575, 0.2117, 0.0940



0.7229, 0.2234, 0.1004

Inverse Universe

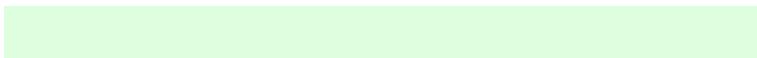
The Inverse Universe completely reimagines the original color for something new.



79.6047, 0.3262, 0.3143



75.3185, 0.3299, 0.3106



92.3795, 0.3105, 0.3621



18.1238, 0.3223, 0.3183



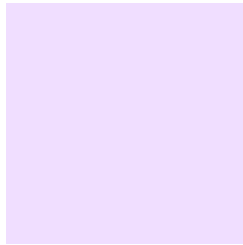
11.7897, 0.5165, 0.2619



1.1696, 0.4886, 0.2465

Previews

White Background



This preview shows how the Yxy color 77.9878, 0.3040, 0.2959 looks on a white background.

Color Contrast Check

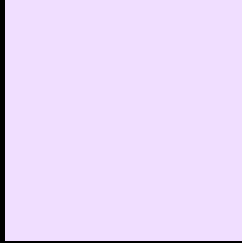
Large Text (above 18pt) WCAG AA × Fail

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 77.9878, 0.3040, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

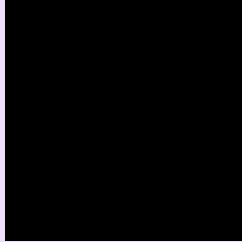
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

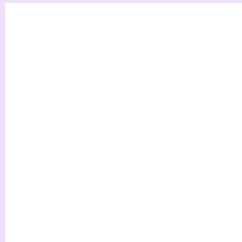
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9878, 0.3040, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 77.9878, 0.3040, 0.2959.

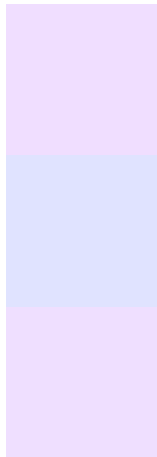


This preview shows how white text looks on a background with the Yxy color 77.9878, 0.3040, 0.2959.

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

77.9878, 0.3040, 0.2959

Protanopia

78.0055, 0.2934, 0.3001

Deuteranopia

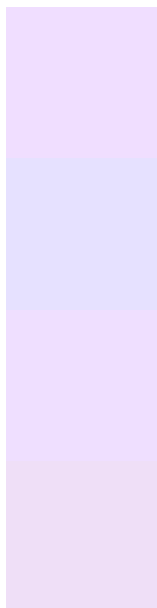
78.3461, 0.3033, 0.2969



Tritanopia

77.8993, 0.3108, 0.3106

Trichromacy



Original Color

77.9878, 0.3040, 0.2959

Protanomaly

77.8934, 0.2973, 0.2984

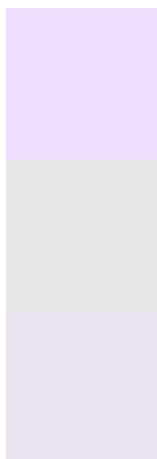
Deuteranomaly

78.3461, 0.3033, 0.2969

Tritanomaly

77.8415, 0.3083, 0.3047

Monochromacy



Original Color

77.9878, 0.3040, 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 77.9878, 0.3040, 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(240, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.9878, 0.3040, 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(240, 222, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9878, 0.3040, 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(240, 222, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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