

# Converting Colors

$Y_{xy}(79.5608, 0.2896, 0.2759)$

Have a look what the booklet for  
Yxy(79.5608, 0.2896, 0.2759)  
contains.

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# Color

**Yxy(78.1725, 0.3026, 0.2968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDFFF
RGB	238, 223, 255
RGB Percent	93%, 87%, 100%
CMY	0.0667, 0.1255, 0.0000
CMYK	0.07, 0.13, 0.00, 0.00
HSL	268°, 100%, 94%
HSV	268°, 13%, 100%
XYZ	79.7001, 78.1725, 105.5118
YIQ	231.1330, -1.3320, 13.1320

# Conversions

## Conversions Part 2

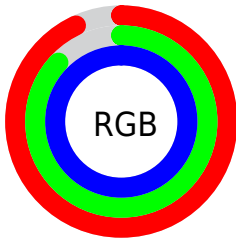
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 223, 255
Decimal	15654911
CIE Lab	90.86, 10.90, -13.68
CIE LCh	91, 17.486, 308.550
Yxy	78.1725, 0.3026, 0.2968
Android (android.graphics.Color)	4293844991 (0xFFEEDFFF)
YUV	231.1330, 11.7664, 6.0224
Hunter-Lab	88.4152, 6.1786, -8.8641

# Details

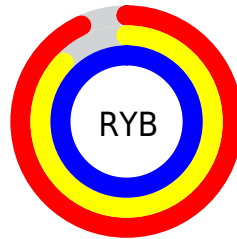
The Yxy color **78.1725, 0.3026, 0.2968** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.3732, 0.3219, 0.3611**, and the grayscale version is **79.9279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0276, 0.3004, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **63.3016, 0.2930, 0.2688**, and if you desaturate by 10%, it is **95.2758, 0.3108, 0.3228**.

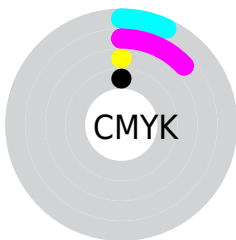
# Distribution



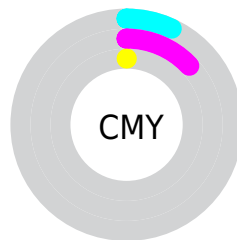
- Red (93%)
- Green (87%)
- Blue (100%)



- 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 78.1725, 0.3026, 0.2968 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 78.1725, 0.3026, 0.2968 by changing the saturation by 10% instead.




 78.1725, 0.3026,  
0.2968

 78.1725, 0.3026,  
0.2968

488.7525, 0.3073,  
0.3112

 58.2157, 0.3015,  
0.2936

130.7933, 0.3042,  
0.3017

 41.9821, 0.3002,  
0.2898

164.2260, 0.3049,  
0.3036

 29.0873, 0.2985,  
0.2850


202.9195, 0.3054,  
0.3053

 19.1468, 0.2962,  
0.2788

247.2582, 0.3059,  
0.3068

 11.7764, 0.2932,  
0.2707

297.6264, 0.3063,  
0.3081

 6.5916, 0.2888,  
0.2595

354.4086, 0.3067,

 3.2081, 0.2819,

0.3092

0.2431

417.9892, 0.3070,  
0.3103

■ 1.2413, 0.2700,  
0.2169

■ 0.0950, 0.2354,  
0.0628

■ 78.1725, 0.3026,  
0.2968

■ 78.1725, 0.3026,  
0.2968

■ 63.3016, 0.2930,  
0.2688

■ 95.2758, 0.3108,  
0.3228

■ 50.5618, 0.2821,  
0.2391

100.0000, 0.3127,  
0.3290

■ 39.8527, 0.2698,  
0.2087

■ 31.0633, 0.2565,  
0.1786

■ 24.0717, 0.2425,  
0.1504

■ 18.7412, 0.2284,  
0.1256

■ 14.9147, 0.2149,  
0.1057

■ 12.4027, 0.2026,  
0.0916

■ 11.1802, 0.1945,  
0.0845

# Harmonies

## Analogous

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



78.1725, 0.2850, 0.2948



78.1725, 0.3026, 0.2968



78.1725, 0.3235, 0.3067

# Triad

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



78.1725, 0.3026, 0.2968



78.1725, 0.3518, 0.3552



78.1725, 0.2841, 0.3352

# Complementary

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



78.1725, 0.3026, 0.2968



95.3732, 0.3219, 0.3611

# Split Complementary

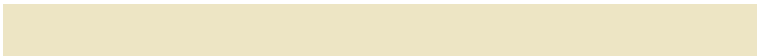
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1725, 0.3012, 0.3530



78.1725, 0.3026, 0.2968



78.1725, 0.3405, 0.3644

# Square

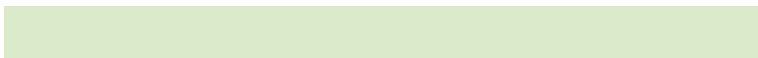
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1725, 0.3026, 0.2968



78.1725, 0.3524, 0.3396



78.1725, 0.3218, 0.3638



78.1725, 0.2746, 0.3163



# Rectangle

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



78.1725, 0.3026, 0.2968



78.1725, 0.3364, 0.3165



78.1725, 0.3218, 0.3638



78.1725, 0.2891, 0.3416

# Sweetspot

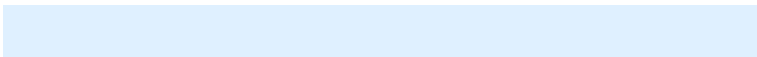
The Sweet Spot groups the original color and five complimentary colors.



78.1745, 0.3026, 0.2968



92.6506, 0.3097, 0.3191



85.2687, 0.2931, 0.3137



19.5441, 0.3091, 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.



78.1745, 0.3026, 0.2968



74.3248, 0.3004, 0.2901



81.0552, 0.3134, 0.2979



17.7951, 0.3053, 0.3050



5.9289, 0.1962, 0.0854



0.6416, 0.2086, 0.0923



# Inverse Universe

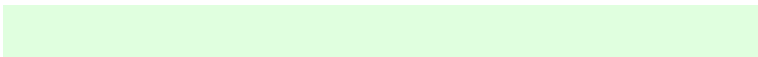
The Inverse Universe completely reimagines the original color for something new.



80.3282, 0.3240, 0.3123



76.8754, 0.3266, 0.3089



92.7063, 0.3118, 0.3621



18.1484, 0.3211, 0.3164



12.0601, 0.4832, 0.2435

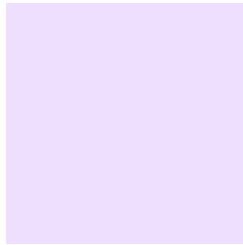


1.1963, 0.4595, 0.2305



# Previews

## White Background



This preview shows how the Yxy color 78.1725, 0.3026, 0.2968 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

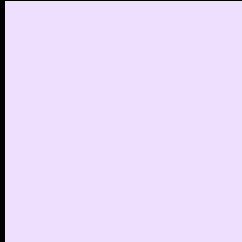
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.1725, 0.3026, 0.2968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

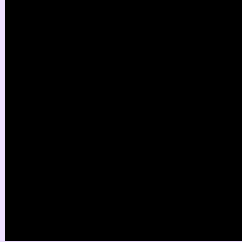
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.1725, 0.3026, 0.2968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1725, 0.3026, 0.2968.

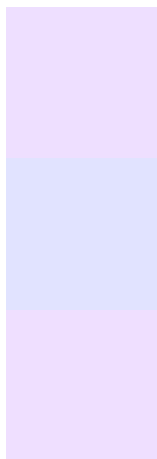


This preview shows how white text looks on a background with the Yxy color 78.1725, 0.3026, 0.2968.

# 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

78.1725, 0.3026, 0.2968

### Protanopia

78.1657, 0.2941, 0.3002

### Deuteranopia

78.3461, 0.3033, 0.2969



## Tritanopia

78.1544, 0.3088, 0.3106

# Trichromacy



## Original Color

78.1725, 0.3026, 0.2968

## Protanomaly

78.4357, 0.2973, 0.2994

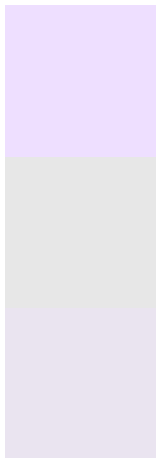
## Deuteranomaly

78.3461, 0.3033, 0.2969

## Tritanomaly

78.0312, 0.3069, 0.3056

# Monochromacy



## Original Color

78.1725, 0.3026, 0.2968

## 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 78.1725, 0.3026, 0.2968 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(238, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 223, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1725, 0.3026, 0.2968 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(238, 223, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 223,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1725, 0.3026, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 223, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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