

# Converting Colors

Yxy(74.6456, 0.3017, 0.2903)

Have a look what the booklet for  
Yxy(74.6456, 0.3017, 0.2903)  
contains.

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# Color

**Yxy(74.8502, 0.3020, 0.2906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD9FF
RGB	237, 217, 255
RGB Percent	93%, 85%, 100%
CMY	0.0706, 0.1490, 0.0001
CMYK	0.07, 0.15, 0.00, 0.00
HSL	272°, 100%, 93%
HSV	272°, 15%, 100%
XYZ	77.7865, 74.8502, 104.9345
YIQ	227.3120, -0.2780, 16.0580

# Conversions

## Conversions Part 2

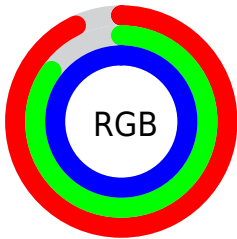
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 217, 255
Decimal	15587839
CIE Lab	89.32, 13.71, -15.96
CIE LCh	89, 21.043, 310.667
Yxy	74.8502, 0.3020, 0.2906
Android (android.graphics.Color)	4293777919 (0xFFEDD9FF)
YUV	227.3120, 13.6502, 8.4964
Hunter-Lab	86.5160, 9.0863, -11.3511

# Details

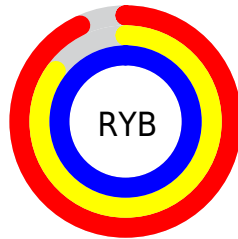
The Yxy color  $74.8502, 0.3020, 0.2906$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $94.1727, 0.3222, 0.3676$ , and the grayscale version is  $76.9557, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.7416, 0.2995, 0.2823$  is the 20% darker color. If you saturate the color by 10%, you get  $60.7008, 0.2933, 0.2625$ , and if you desaturate by 10%, it is  $91.1764, 0.3095, 0.3169$ .

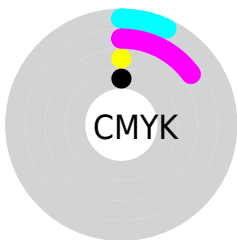
# Distribution



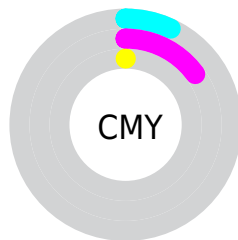
- Red (93%)
- Green (85%)
- Blue (100%)



- Red (93%)
- Yellow (85%)
- Blue (100%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8502, 0.3020, 0.2906 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 74.8502, 0.3020, 0.2906 by changing the saturation by 10% instead.



 74.8502, 0.3020,  
0.2906

 74.8502, 0.3020,  
0.2906

477.4025, 0.3071,  
0.3078

 55.4902, 0.3008,  
0.2868

126.1003, 0.3038,  
0.2965

 39.7943, 0.2993,  
0.2822

158.7591, 0.3045,  
0.2988

 27.3782, 0.2974,  
0.2764


196.6197, 0.3051,  
0.3008

 17.8575, 0.2949,  
0.2691

240.0665, 0.3056,  
0.3025

 10.8477, 0.2915,  
0.2593

289.4837, 0.3060,  
0.3041

 5.9645, 0.2865,  
0.2459

345.2559, 0.3064,

 2.8235, 0.2785,

0.3055

0.2262

407.7673, 0.3068,  
0.3067

■ 1.0403, 0.2643,  
0.1950

■ 0.0000, 0.2028,  
0.0000

■ 74.8502, 0.3020,  
0.2906

■ 74.8502, 0.3020,  
0.2906

■ 60.7008, 0.2933,  
0.2625

■ 91.1764, 0.3095,  
0.3169

■ 48.6228, 0.2833,  
0.2331

99.9985, 0.3127,  
0.3290

■ 38.5167, 0.2722,  
0.2034

■ 30.2702, 0.2601,  
0.1745

■ 23.7597, 0.2474,  
0.1480

■ 18.8460, 0.2346,  
0.1252

■ 15.3673, 0.2224,  
0.1074

■ 13.1249, 0.2111,  
0.0952

■ 12.3136, 0.2058,  
0.0907

# Harmonies

## Analogous

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



74.8502, 0.2802, 0.2874



74.8502, 0.3020, 0.2906



74.8502, 0.3275, 0.3031

# Triad

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



74.8502, 0.3020, 0.2906



74.8502, 0.3599, 0.3618



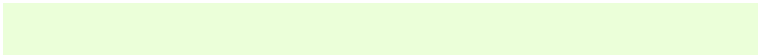
74.8502, 0.2767, 0.3348

# Complementary

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



74.8502, 0.3020, 0.2906



94.1727, 0.3222, 0.3676

# 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.



74.8502, 0.2969, 0.3572



74.8502, 0.3020, 0.2906



74.8502, 0.3451, 0.3726

# Square

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



74.8502, 0.3020, 0.2906



74.8502, 0.3617, 0.3431



74.8502, 0.3219, 0.3713



74.8502, 0.2661, 0.3117



# Rectangle

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



74.8502, 0.3020, 0.2906



74.8502, 0.3431, 0.3151



74.8502, 0.3219, 0.3713



74.8502, 0.2825, 0.3427

# Sweetspot

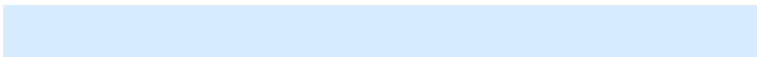
The Sweet Spot groups the original color and five complimentary colors.



74.8534, 0.3020, 0.2906



92.7599, 0.3101, 0.3191



81.5932, 0.2893, 0.3086



19.5717, 0.3096, 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.



74.8534, 0.3020, 0.2906



70.2409, 0.2994, 0.2820



78.0621, 0.3149, 0.2926



17.8487, 0.3062, 0.3050



6.5251, 0.2074, 0.0916



0.7004, 0.2194, 0.0982



# Inverse Universe

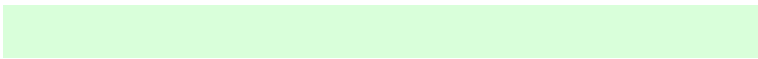
The Inverse Universe completely reimagines the original color for something new.



76.8809, 0.3280, 0.3112



72.6693, 0.3318, 0.3073



91.3007, 0.3105, 0.3683



18.1302, 0.3220, 0.3178



11.8555, 0.5078, 0.2571

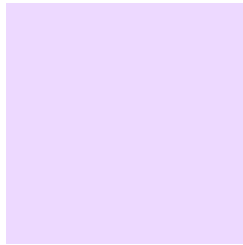


1.1762, 0.4809, 0.2423



# Previews

## White Background



This preview shows how the Yxy color 74.8502, 0.3020, 0.2906 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

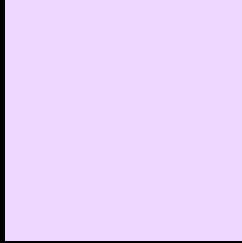
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8502, 0.3020, 0.2906 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

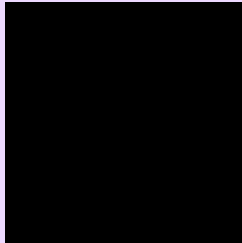
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

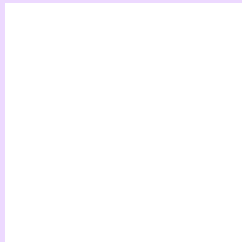
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8502, 0.3020, 0.2906**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8502, 0.3020, 0.2906.

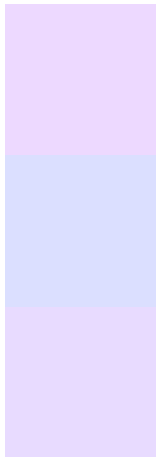


This preview shows how white text looks on a background with the Yxy color 74.8502, 0.3020, 0.2906.

# 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

74.8502, 0.3020, 0.2906

### Protanopia

75.0554, 0.2901, 0.2956

### Deuteranopia

75.0388, 0.2986, 0.2923



## Tritanopia

74.7932, 0.3114, 0.3114

# Trichromacy



## Original Color

74.8502, 0.3020, 0.2906

## Protanomaly

75.1017, 0.2946, 0.2939

## Deuteranomaly

74.8552, 0.2999, 0.2914

## Tritanomaly

74.8569, 0.3076, 0.3033

# Monochromacy



## Original Color

74.8502, 0.3020, 0.2906

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.8787, 0.3092, 0.3144

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8502, 0.3020, 0.2906 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(237, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 217, 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(237, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 217, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8502, 0.3020, 0.2906 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(237, 217, 255) }
```

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

```
.border{ border-color:rgb(237, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 217,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8502, 0.3020, 0.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 217, 255) }
```

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

```
.background{ background-color: rgb(237,  
217, 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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