

# Converting Colors

$Y_{xy}(75.6939, 0.3019, 0.2923)$

Have a look what the booklet for  
Yxy(75.6939, 0.3019, 0.2923)  
contains.

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# Color

**Yxy(75.8876, 0.3020, 0.2926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDBFF
RGB	237, 219, 255
RGB Percent	93%, 86%, 100%
CMY	0.0703, 0.1413, 0.0000
CMYK	0.07, 0.14, 0.00, 0.00
HSL	270°, 100%, 93%
HSV	270°, 14%, 100%
XYZ	78.3255, 75.8876, 105.1430
YIQ	228.4860, -0.8280, 15.0120

# Conversions

## Conversions Part 2

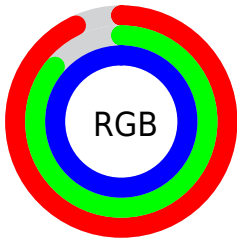
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 219, 255
Decimal	15588351
CIE Lab	89.81, 12.70, -15.26
CIE LCh	90, 19.853, 309.781
Yxy	75.8876, 0.3020, 0.2926
Android (android.graphics.Color)	4293778431 (0xFFEDDBFF)
YUV	228.4860, 13.0714, 7.4668
Hunter-Lab	87.1135, 8.0445, -10.5815

# Details

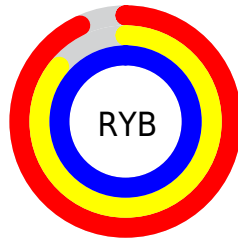
The Yxy color **75.8876, 0.3020, 0.2926** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.6229, 0.3222, 0.3654**, and the grayscale version is **77.8668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4519, 0.2995, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **61.4801, 0.2929, 0.2645**, and if you desaturate by 10%, it is **92.4916, 0.3098, 0.3188**.

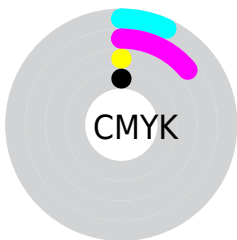
# Distribution



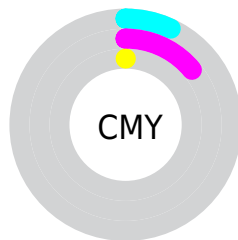
- Red (93%)
- Green (86%)
- Blue (100%)



- Red (93%)
- Yellow (86%)
- Blue (100%)



- Cyan (7%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8876, 0.3020, 0.2926 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 75.8876, 0.3020, 0.2926 by changing the saturation by 10% instead.




 75.8876, 0.3020,  
0.2926

 75.8876, 0.3020,  
0.2926

480.9628, 0.3071,  
0.3089

 56.3403, 0.3008,  
0.2890


127.5680, 0.3038,  
0.2982

 40.4759, 0.2994,  
0.2846


160.4700, 0.3045,  
0.3003

 27.9098, 0.2975,  
0.2792


198.5923, 0.3050,  
0.3022

 18.2576, 0.2951,  
0.2722

242.3193, 0.3056,  
0.3039

 11.1351, 0.2917,  
0.2630

292.0355, 0.3060,  
0.3054

 6.1578, 0.2868,  
0.2503

348.1252, 0.3064,

 2.9413, 0.2791,

0.3067

0.2316

410.9729, 0.3067,  
0.3078

■ 1.1011, 0.2655,  
0.2020

■ 0.0000, 0.2170,  
0.0000

■ 75.8876, 0.3020,  
0.2926

■ 75.8876, 0.3020,  
0.2926

■ 61.4801, 0.2929,  
0.2645

■ 92.4916, 0.3098,  
0.3188

■ 49.1678, 0.2825,  
0.2350

100.0000, 0.3127,  
0.3290

■ 38.8495, 0.2708,  
0.2049

■ 30.4137, 0.2582,  
0.1755

■ 23.7370, 0.2449,  
0.1483

■ 18.6810, 0.2316,  
0.1248

■ 15.0854, 0.2188,  
0.1062

■ 12.7546, 0.2071,  
0.0934

■ 11.8134, 0.2008,  
0.0880

# Harmonies

## Analogous

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



75.8876, 0.2817, 0.2899



75.8876, 0.3020, 0.2926



75.8876, 0.3260, 0.3041

# Triad

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



75.8876, 0.3020, 0.2926



75.8876, 0.3573, 0.3594



75.8876, 0.2793, 0.3352

# Complementary

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



75.8876, 0.3020, 0.2926



94.6229, 0.3222, 0.3654

# 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.



75.8876, 0.2985, 0.3560



75.8876, 0.3020, 0.2926



75.8876, 0.3437, 0.3698

# Square

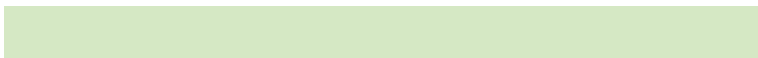
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8876, 0.3020, 0.2926



75.8876, 0.3585, 0.3418



75.8876, 0.3221, 0.3689



75.8876, 0.2690, 0.3134



# Rectangle

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



75.8876, 0.3020, 0.2926



75.8876, 0.3407, 0.3154



75.8876, 0.3221, 0.3689



75.8876, 0.2849, 0.3426

# Sweetspot

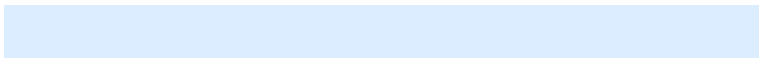
The Sweet Spot groups the original color and five complimentary colors.



75.8895, 0.3020, 0.2926



92.7135, 0.3099, 0.3191



82.8400, 0.2905, 0.3104



19.5600, 0.3094, 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.



75.8895, 0.3020, 0.2926



71.5264, 0.2995, 0.2847



79.1332, 0.3144, 0.2940



17.8259, 0.3058, 0.3050



6.2616, 0.2025, 0.0889



0.6746, 0.2147, 0.0957



# Inverse Universe

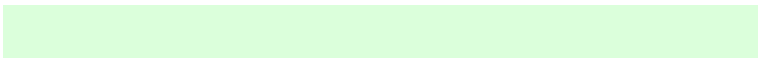
The Inverse Universe completely reimagines the original color for something new.



78.0225, 0.3265, 0.3113



74.0686, 0.3298, 0.3075



91.6906, 0.3109, 0.3667



18.1379, 0.3216, 0.3172



11.9388, 0.4974, 0.2514



1.1845, 0.4718, 0.2373



# Previews

## White Background



This preview shows how the Yxy color 75.8876, 0.3020, 0.2926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

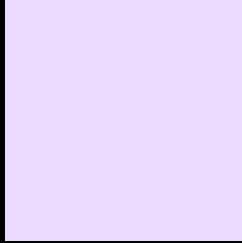
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.8876, 0.3020, 0.2926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

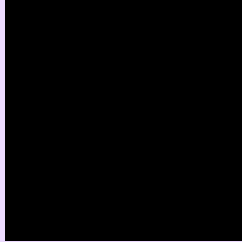
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.8876, 0.3020, 0.2926**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8876, 0.3020, 0.2926.

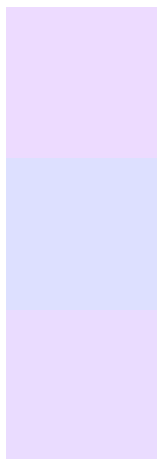


This preview shows how white text looks on a background with the Yxy color 75.8876, 0.3020, 0.2926.

# 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

75.8876, 0.3020, 0.2926

### Protanopia

75.9035, 0.2914, 0.2968

### Deuteranopia

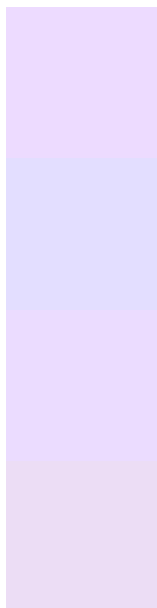
75.8988, 0.2999, 0.2935



## Tritanopia

76.1367, 0.3107, 0.3115

# Trichromacy



## Original Color

75.8876, 0.3020, 0.2926

## Protanomaly

75.7934, 0.2953, 0.2951

## Deuteranomaly

76.0686, 0.3006, 0.2935

## Tritanomaly

76.1383, 0.3076, 0.3044

# Monochromacy



## Original Color

75.8876, 0.3020, 0.2926

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.0124, 0.3085, 0.3155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8876, 0.3020, 0.2926 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 219, 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, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8876, 0.3020, 0.2926 is called "border". The border property can be set on classes, ids or directly on the HTML element.

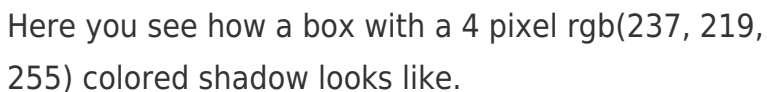
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 219, 255) }
```

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

```
.border{ border-color:rgb(237, 219, 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, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8876, 0.3020, 0.2926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 219, 255) }
```

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

```
.background{ background-color: rgb(237,  
219, 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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