

# Converting Colors

$Yxy(75.8794, 0.2925, 0.2963)$

Have a look what the booklet for  
Yxy(75.8794, 0.2925, 0.2963)  
contains.

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# Color

**Yxy(75.6833, 0.2927, 0.2958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFDFFF
RGB	223, 223, 255
RGB Percent	87%, 87%, 100%
CMY	0.1252, 0.1256, 0.0000
CMYK	0.13, 0.13, 0.00, 0.00
HSL	240°, 100%, 94%
HSV	240°, 13%, 100%
XYZ	74.8901, 75.6833, 105.2863
YIQ	226.6480, -10.2720, 9.9520

# Conversions

## Conversions Part 2

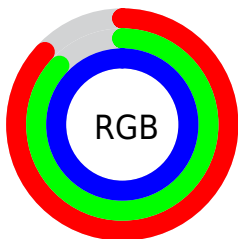
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 223, 255
Decimal	14671871
CIE Lab	89.71, 6.16, -15.51
CIE LCh	90, 16.688, 291.649
Yxy	75.6833, 0.2927, 0.2958
Android (android.graphics.Color)	4292861951 (0xFFDFDFFF)
YUV	226.6480, 13.9775, -3.1993
Hunter-Lab	86.9961, 1.4174, -10.8579

# Details

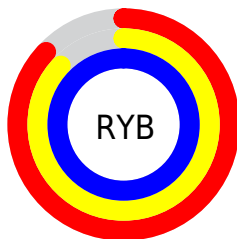
The Yxy color  $75.6833, 0.2927, 0.2958$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $98.0868, 0.3315, 0.3602$ , and the grayscale version is  $76.4578, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $40.4073, 0.2885, 0.2889$  is the 20% darker color. If you saturate the color by 10%, you get  $59.3306, 0.2744, 0.2655$ , and if you desaturate by 10%, it is  $94.6974, 0.3089, 0.3227$ .

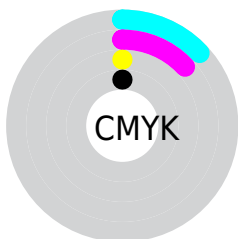
# Distribution



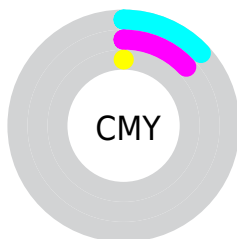
- Red (87%)
- Green (87%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6833, 0.2927, 0.2958 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 75.6833, 0.2927, 0.2958 by changing the saturation by 10% instead.



■ 75.6833, 0.2927,  
0.2958

■ 75.6833, 0.2927,  
0.2958

480.2629, 0.3019,  
0.3108

■ 56.1729, 0.2906,  
0.2925

127.2791, 0.2959,  
0.3009

■ 40.3415, 0.2880,  
0.2884

160.1333, 0.2971,  
0.3030

■ 27.8049, 0.2848,  
0.2833

198.2042, 0.2982,  
0.3047

■ 18.1787, 0.2805,  
0.2767

241.8762, 0.2991,  
0.3062

■ 11.0783, 0.2748,  
0.2680

291.5336, 0.3000,  
0.3076

■ 6.1195, 0.2667,  
0.2558

347.5610, 0.3007,

■ 2.9179, 0.2542,

0.3088

0.2378

410.3426, 0.3013,  
0.3098

■ 1.0890, 0.2331,  
0.2085

■ 0.0000, 0.1024,  
0.0000

■ 75.6833, 0.2927,  
0.2958

■ 75.6833, 0.2927,  
0.2958

■ 59.3306, 0.2744,  
0.2655

■ 94.6974, 0.3089,  
0.3227

■ 45.5157, 0.2542,  
0.2320

100.0000, 0.3127,  
0.3290

■ 34.1131, 0.2328,  
0.1965

■ 24.9845, 0.2111,  
0.1607

■ 17.9776, 0.1907,  
0.1269

■ 12.9214, 0.1733,  
0.0982

■ 9.6188, 0.1604,  
0.0769

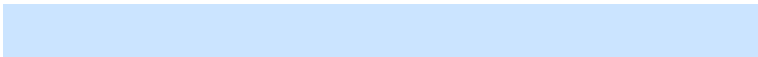
■ 7.8311, 0.1528,  
0.0644

■ 7.2254, 0.1501,  
0.0600

# Harmonies

## Analogous

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



75.6833, 0.2794, 0.2987



75.6833, 0.2927, 0.2958



75.6833, 0.3117, 0.3012

# Triad

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



75.6833, 0.2927, 0.2958



75.6833, 0.3521, 0.3463



75.6833, 0.2937, 0.3452

# Complementary

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



75.6833, 0.2927, 0.2958



98.0868, 0.3315, 0.3602

# Split Complementary

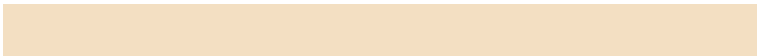
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6833, 0.3128, 0.3591



75.6833, 0.2927, 0.2958



75.6833, 0.3468, 0.3591

# Square

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



75.6833, 0.2927, 0.2958



75.6833, 0.3465, 0.3297



75.6833, 0.3323, 0.3641



75.6833, 0.2800, 0.3268



# Rectangle

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



75.6833, 0.2927, 0.2958



75.6833, 0.3251, 0.3088



75.6833, 0.3323, 0.3641



75.6833, 0.2997, 0.3506

# Sweetspot

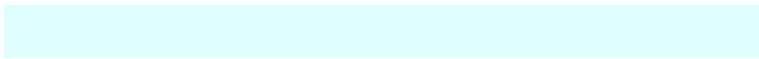
The Sweet Spot groups the original color and five complimentary colors.



75.6850, 0.2927, 0.2958



91.7863, 0.3067, 0.3190



94.4246, 0.2934, 0.3289



19.3260, 0.3055, 0.3171



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.



75.6850, 0.2927, 0.2958



71.4494, 0.2884, 0.2887



78.3328, 0.3033, 0.2969



17.3806, 0.2979, 0.3044



3.7766, 0.1501, 0.0601



0.3687, 0.1503, 0.0602



# Inverse Universe

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



81.2372, 0.3142, 0.2980



77.9689, 0.3145, 0.2919



95.1954, 0.3212, 0.3612



18.2993, 0.3139, 0.3057



14.8540, 0.3217, 0.1546



1.4466, 0.3216, 0.1545



# Previews

## White Background



This preview shows how the Yxy color 75.6833, 0.2927, 0.2958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

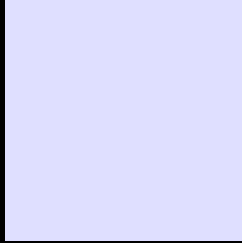
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6833, 0.2927, 0.2958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

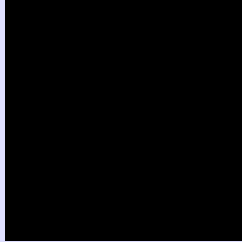
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.6833, 0.2927, 0.2958**

## Background



This preview shows how black text looks on a background with the Yxy color 75.6833, 0.2927, 0.2958.

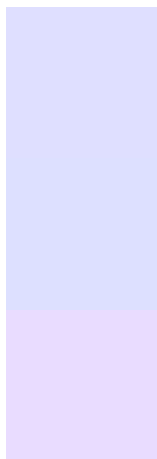


This preview shows how white text looks on a background with the Yxy color 75.6833, 0.2927, 0.2958.

# 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

75.6833, 0.2927, 0.2958

### Protanopia

75.9035, 0.2914, 0.2968

### Deuteranopia

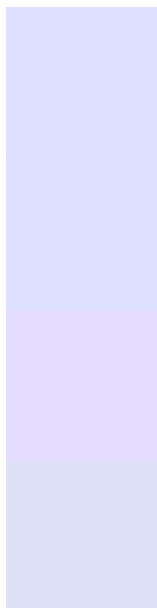
75.7300, 0.2993, 0.2934



## Tritanopia

75.6936, 0.2986, 0.3100

# Trichromacy



## Original Color

75.6833, 0.2927, 0.2958

## Protanomaly

76.0609, 0.2920, 0.2968

## Deuteranomaly

75.5909, 0.2966, 0.2941

## Tritanomaly

75.5563, 0.2969, 0.3049

# Monochromacy



## Original Color

75.6833, 0.2927, 0.2958

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.6759, 0.3057, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  75.6833, 0.2927, 0.2958 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(223, 223, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to Yxy 75.6833, 0.2927, 0.2958 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(223, 223, 255) }
```

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

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

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



# Background

The CSS property to change the background color of an element to Yxy 75.6833, 0.2927, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(223,  
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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