

# Converting Colors

$Y_{xy}(75.2412, 0.2972, 0.2932)$

Have a look what the booklet for  
Yxy(75.2412, 0.2972, 0.2932)  
contains.

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# Color

**Yxy(75.2294, 0.2972, 0.2932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6DCFF
RGB	230, 220, 255
RGB Percent	90%, 86%, 100%
CMY	0.0983, 0.1371, 0.0001
CMYK	0.10, 0.14, 0.00, 0.00
HSL	257°, 100%, 93%
HSV	257°, 14%, 100%
XYZ	76.2557, 75.2294, 105.0954
YIQ	226.9800, -5.2750, 13.0050

# Conversions

## Conversions Part 2

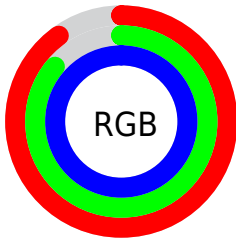
Format	Color
R <sub>Y</sub> B	230, 220, 255
Decimal	15129855
CIE Lab	89.50, 9.86, -15.76
CIE LCh	90, 18.587, 302.036
Yxy	75.2294, 0.2972, 0.2932
Android (android.graphics.Color)	4293319935 (0xFFE6DCFF)
YUV	226.9800, 13.8139, 2.6485
Hunter-Lab	86.7349, 5.1479, -11.1264

# Details

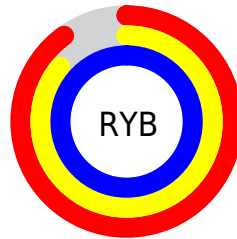
The Yxy color  $75.2294, 0.2972, 0.2932$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $96.1083, 0.3269, 0.3638$ , and the grayscale version is  $76.6961, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.9862, 0.2935, 0.2855$  is the 20% darker color. If you saturate the color by 10%, you get  $59.9844, 0.2838, 0.2639$ , and if you desaturate by 10%, it is  $92.8392, 0.3088, 0.3198$ .

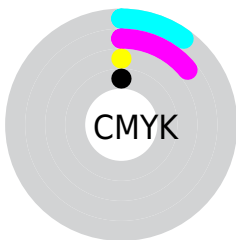
# Distribution



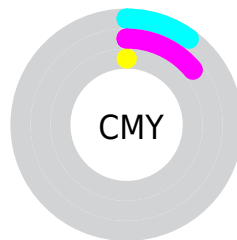
- Red (90%)
- Green (86%)
- Blue (100%)



- Red (90%)
- Yellow (86%)
- Blue (100%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2294, 0.2972, 0.2932 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 75.2294, 0.2972, 0.2932 by changing the saturation by 10% instead.



75.2294, 0.2972,  
0.2932

75.2294, 0.2972,  
0.2932

478.7057, 0.3044,  
0.3093

55.8008, 0.2955,  
0.2896

126.6370, 0.2997,  
0.2987

40.0433, 0.2935,  
0.2853

159.3849, 0.3007,  
0.3009

27.5723, 0.2909,  
0.2798

197.3413, 0.3015,  
0.3027

18.0035, 0.2875,  
0.2729

240.8907, 0.3023,  
0.3044

10.9525, 0.2829,  
0.2636

290.4174, 0.3029,  
0.3058

6.0349, 0.2762,  
0.2508

346.3059, 0.3035,

2.8663, 0.2659,

0.3071

0.2320

408.9405, 0.3040,  
0.3083

■ 1.0623, 0.2480,  
0.2017

■ 0.0000, 0.1527,  
0.0000

■ 75.2294, 0.2972,  
0.2932

■ 75.2294, 0.2972,  
0.2932

■ 59.9844, 0.2838,  
0.2639

■ 92.8392, 0.3088,  
0.3198

■ 46.9929, 0.2688,  
0.2325

99.9990, 0.3127,  
0.3290

■ 36.1485, 0.2522,  
0.1998

■ 27.3326, 0.2347,  
0.1671

■ 20.4145, 0.2170,  
0.1363

■ 15.2481, 0.2000,  
0.1096

■ 11.6647, 0.1850,  
0.0887

■ 9.4606, 0.1727,  
0.0747

■ 8.6033, 0.1665,  
0.0691

# Harmonies

## Analogous

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



75.2294, 0.2798, 0.2931



75.2294, 0.2972, 0.2932



75.2294, 0.3194, 0.3021

# Triad

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



75.2294, 0.2972, 0.2932



75.2294, 0.3560, 0.3539



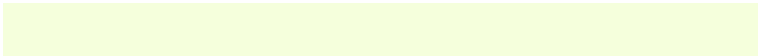
75.2294, 0.2853, 0.3402

# Complementary

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



75.2294, 0.2972, 0.2932



96.1083, 0.3269, 0.3638

# 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.



75.2294, 0.3050, 0.3583



75.2294, 0.2972, 0.2932



75.2294, 0.3461, 0.3657

# Square

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



75.2294, 0.2972, 0.2932



75.2294, 0.3540, 0.3363



75.2294, 0.3272, 0.3677



75.2294, 0.2731, 0.3194



# Rectangle

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



75.2294, 0.2972, 0.2932



75.2294, 0.3339, 0.3119



75.2294, 0.3272, 0.3677



75.2294, 0.2913, 0.3469

# Sweetspot

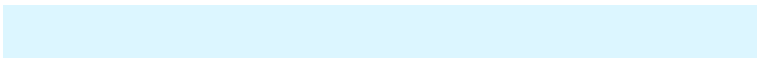
The Sweet Spot groups the original color and five complimentary colors.



75.2326, 0.2972, 0.2932



92.3031, 0.3085, 0.3191



88.1469, 0.2915, 0.3194



19.4563, 0.3077, 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.



75.2326, 0.2972, 0.2932



71.5424, 0.2943, 0.2867



78.1651, 0.3087, 0.2944



17.6266, 0.3023, 0.3047



4.5605, 0.1679, 0.0699



0.4963, 0.1794, 0.0762



# Inverse Universe

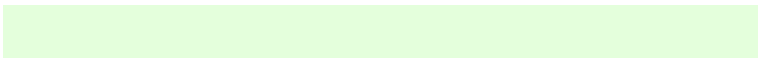
The Inverse Universe completely reimagines the original color for something new.



79.0583, 0.3209, 0.3044



75.9529, 0.3224, 0.3002



93.2039, 0.3161, 0.3649



18.2075, 0.3182, 0.3121



12.9184, 0.4085, 0.2024

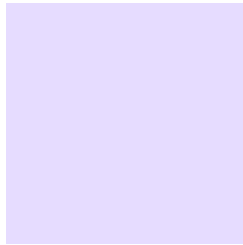


1.2766, 0.3961, 0.1956



# Previews

## White Background



This preview shows how the Yxy color 75.2294, 0.2972, 0.2932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

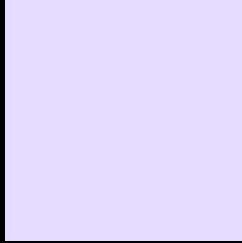
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2294, 0.2972, 0.2932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

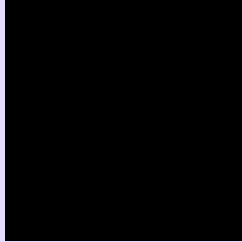
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2294, 0.2972, 0.2932**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2294, 0.2972, 0.2932.

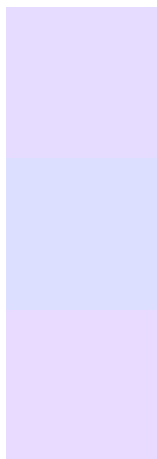


This preview shows how white text looks on a background with the Yxy color 75.2294, 0.2972, 0.2932.

# 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

75.2294, 0.2972, 0.2932

### Protanopia

75.2110, 0.2907, 0.2957

### Deuteranopia

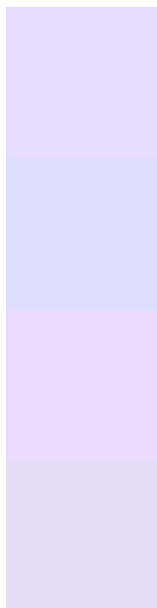
75.2067, 0.2993, 0.2923



## Tritanopia

75.3975, 0.3046, 0.3112

# Trichromacy



## Original Color

75.2294, 0.2972, 0.2932

## Protanomaly

75.3098, 0.2933, 0.2949

## Deuteranomaly

75.0388, 0.2986, 0.2923

## Tritanomaly

75.3291, 0.3021, 0.3051

# Monochromacy



## Original Color

75.2294, 0.2972, 0.2932

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.9197, 0.3071, 0.3154

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2294, 0.2972, 0.2932 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(230, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 220, 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(230, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2294, 0.2972, 0.2932 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(230, 220, 255) }
```

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

```
.border{ border-color:rgb(230, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 220,  
255) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 75.2294, 0.2972, 0.2932$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 220, 255) }
```

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

```
.background{ background-color: rgb(230,  
220, 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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