

# Converting Colors

$Y_{xy}(75.1522, 0.2970, 0.2999)$

Have a look what the booklet for  
Yxy(75.1522, 0.2970, 0.2999)  
contains.

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# Color

**Yxy(75.1522, 0.2970, 0.2999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1DEFA
RGB	225, 222, 250
RGB Percent	88%, 87%, 98%
CMY	0.1176, 0.1294, 0.0197
CMYK	0.10, 0.11, 0.00, 0.02
HSL	246°, 74%, 93%
HSV	246°, 11%, 98%
XYZ	74.4255, 75.1522, 101.0132
YIQ	226.0890, -7.2000, 9.3440

# Conversions

## Conversions Part 2

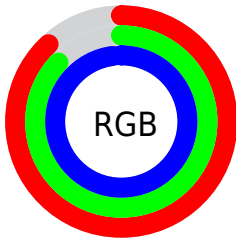
Format	Color
R <sub>Y</sub> B	225, 222, 250
Decimal	14802682
CIE Lab	89.46, 6.27, -13.23
CIE LCh	89, 14.636, 295.357
Yxy	75.1522, 0.2970, 0.2999
Android (android.graphics.Color)	4292992762 (0xFFE1DEFA)
YUV	226.0890, 11.7881, -0.9551
Hunter-Lab	86.6904, 1.5378, -8.4025

# Details

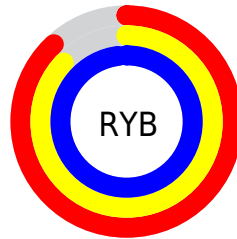
The Yxy color **75.1522, 0.2970, 0.2999** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.4101, 0.3275, 0.3569**, and the grayscale version is **76.0394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.0785, 0.2932, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **59.4887, 0.2809, 0.2705**, and if you desaturate by 10%, it is **93.2599, 0.3112, 0.3261**.

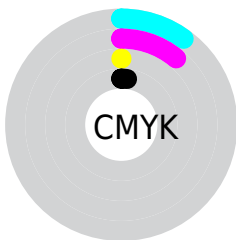
# Distribution



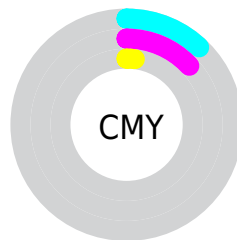
- Red (88%)
- Green (87%)
- Blue (98%)



- Red (88%)
- Yellow (87%)
- Blue (98%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (12%)
- Magenta (13%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1522, 0.2970, 0.2999 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 75.1522, 0.2970, 0.2999 by changing the saturation by 10% instead.



75.1522, 0.2970,  
0.2999

75.1522, 0.2970,  
0.2999

478.4405, 0.3043,  
0.3131

55.7376, 0.2953,  
0.2970

126.5278, 0.2995,  
0.3044

39.9926, 0.2933,  
0.2933

159.2575, 0.3005,  
0.3062

27.5328, 0.2907,  
0.2888

197.1945, 0.3013,  
0.3077

17.9737, 0.2873,  
0.2830

240.7230, 0.3021,  
0.3091

10.9311, 0.2827,  
0.2752

290.2274, 0.3027,  
0.3103

6.0205, 0.2761,  
0.2644

346.0923, 0.3033,

2.8576, 0.2660,

0.3113

0.2480

408.7018, 0.3038,  
0.3122

■ 1.0578, 0.2483,  
0.2212

■ 0.0000, 0.1010,  
0.0000

■ 75.1522, 0.2970,  
0.2999

■ 75.1522, 0.2970,  
0.2999

■ 59.4887, 0.2809,  
0.2705

■ 93.2599, 0.3112,  
0.3261

■ 46.1556, 0.2628,  
0.2383

■ 99.6813, 0.3156,  
0.3338

■ 35.0439, 0.2432,  
0.2039

■ 26.0327, 0.2229,  
0.1690

■ 18.9889, 0.2028,  
0.1357

■ 13.7647, 0.1845,  
0.1063

■ 10.1908, 0.1694,  
0.0834

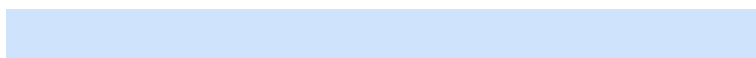
■ 8.0660, 0.1587,  
0.0685

■ 7.1307, 0.1530,  
0.0616

# Harmonies

## Analogous

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



75.1522, 0.2844, 0.3016



75.1522, 0.2970, 0.2999



75.1522, 0.3141, 0.3055

# Triad

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



75.1522, 0.2970, 0.2999



75.1522, 0.3473, 0.3460



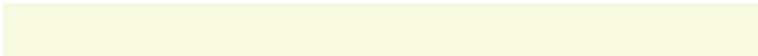
75.1522, 0.2942, 0.3413

# Complementary

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



75.1522, 0.2970, 0.2999



93.4101, 0.3275, 0.3569

# 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.



75.1522, 0.3106, 0.3542



75.1522, 0.2970, 0.2999



75.1522, 0.3415, 0.3565

# Square

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



75.1522, 0.2970, 0.2999



75.1522, 0.3435, 0.3316



75.1522, 0.3280, 0.3597



75.1522, 0.2829, 0.3252



# Rectangle

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



75.1522, 0.2970, 0.2999



75.1522, 0.3258, 0.3126



75.1522, 0.3280, 0.3597



75.1522, 0.2993, 0.3462

# Sweetspot

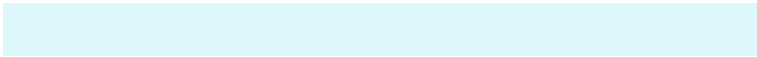
The Sweet Spot groups the original color and five complimentary colors.



75.1554, 0.2970, 0.2999



93.9430, 0.3087, 0.3216



89.0689, 0.2954, 0.3261



19.7698, 0.3076, 0.3196



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.



75.1554, 0.2970, 0.2999



75.4541, 0.2942, 0.2948



77.4629, 0.3063, 0.3007



16.7318, 0.2995, 0.3046



3.8117, 0.1537, 0.0620



0.3813, 0.1609, 0.0660



# Inverse Universe

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



79.2830, 0.3160, 0.3043



80.4167, 0.3165, 0.3002



90.9942, 0.3185, 0.3576



17.4907, 0.3154, 0.3081



13.6270, 0.3499, 0.1701

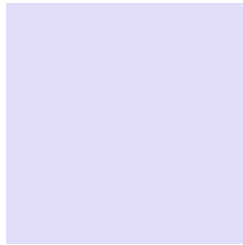


1.2710, 0.3460, 0.1680



# Previews

## White Background



This preview shows how the Yxy color 75.1522, 0.2970, 0.2999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

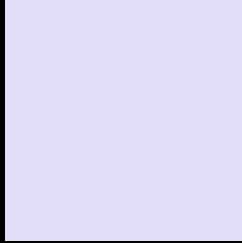
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.1522, 0.2970, 0.2999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

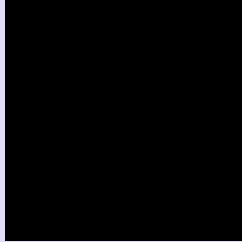
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.1522, 0.2970, 0.2999**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1522, 0.2970, 0.2999.



This preview shows how white text looks on a background with the Yxy color 75.1522, 0.2970, 0.2999.

# 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

75.1522, 0.2970, 0.2999

### Protanopia

75.1125, 0.2938, 0.2997

### Deuteranopia

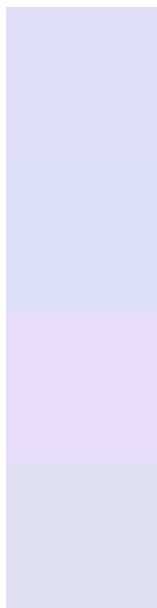
75.2902, 0.3031, 0.2964



## Tritanopia

74.9735, 0.3019, 0.3100

# Trichromacy



## Original Color

75.1522, 0.2970, 0.2999

## Protanomaly

75.2700, 0.2944, 0.2998

## Deuteranomaly

75.1404, 0.3004, 0.2972

## Tritanomaly

75.1543, 0.3000, 0.3070

# Monochromacy



## Original Color

75.1522, 0.2970, 0.2999

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

76.0173, 0.3070, 0.3185

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1522, 0.2970, 0.2999 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(225, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(225, 222, 250)  
}
```

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(225, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 222, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1522, 0.2970, 0.2999 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(225, 222, 250) }
```

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

```
.border{ border-color:rgb(225, 222, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 222, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 222, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 222, 250);  
box-shadow:4px 4px 4px 4px rgb(225, 222,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1522, 0.2970, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 222, 250) }
```

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

```
.background{ background-color: rgb(225,  
222, 250) }
```

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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