

# Converting Colors

$Y_{xy}(73.2192, 0.2975, 0.2890)$

Have a look what the booklet for  
Yxy(73.2192, 0.2975, 0.2890)  
contains.

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# Color

**Yxy(73.1547, 0.2972, 0.2890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6D8FF
RGB	230, 216, 255
RGB Percent	90%, 85%, 100%
CMY	0.0981, 0.1529, 0.0001
CMYK	0.10, 0.15, 0.00, 0.00
HSL	261°, 100%, 92%
HSV	261°, 15%, 100%
XYZ	75.2304, 73.1547, 104.7454
YIQ	224.6320, -4.1750, 15.0970

# Conversions

## Conversions Part 2

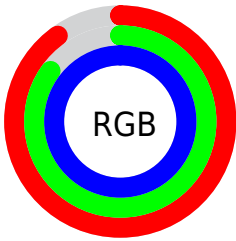
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 216, 255
Decimal	15128831
CIE Lab	88.52, 11.99, -17.22
CIE LCh	89, 20.985, 304.835
Yxy	73.1547, 0.2972, 0.2890
Android (android.graphics.Color)	4293318911 (0xFFE6D8FF)
YUV	224.6320, 14.9714, 4.7077
Hunter-Lab	85.5305, 7.3254, -12.7384

# Details

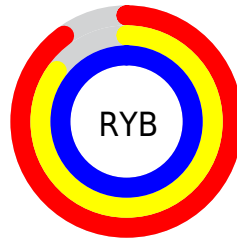
The Yxy color **73.1547, 0.2972, 0.2890** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.1704, 0.3266, 0.3682**, and the grayscale version is **74.9095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5656, 0.2933, 0.2801** is the 20% darker color. If you saturate the color by 10%, you get **58.5087, 0.2850, 0.2598**, and if you desaturate by 10%, it is **90.0882, 0.3078, 0.3159**.

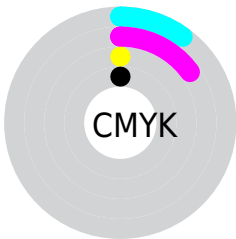
# Distribution



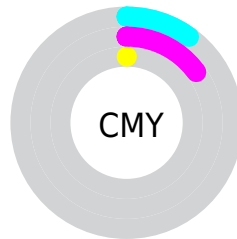
- Red (90%)
- Green (85%)
- Blue (100%)



- Red (90%)
- Yellow (85%)
- Blue (100%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (15%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1547, 0.2972, 0.2890 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 73.1547, 0.2972, 0.2890 by changing the saturation by 10% instead.




 73.1547, 0.2972,  
0.2890

 73.1547, 0.2972,  
0.2890


471.5508, 0.3045,  
0.3070

 54.1025, 0.2955,  
0.2850


123.6968, 0.2998,  
0.2952

 38.6836, 0.2934,  
0.2801


155.9555, 0.3007,  
0.2976

 26.5137, 0.2907,  
0.2741


193.3851, 0.3016,  
0.2997

 17.2083, 0.2872,  
0.2663

236.3700, 0.3023,  
0.3015

 10.3831, 0.2824,  
0.2559

285.2946, 0.3030,  
0.3031

 5.6537, 0.2754,  
0.2416

340.5434, 0.3035,

 2.6357, 0.2645,

0.3046

0.2206

402.5006, 0.3040,  
0.3059

■ 0.9446, 0.2453,  
0.1870

■ 0.0000, 0.1177,  
0.0000

■ 73.1547, 0.2972,  
0.2890

■ 73.1547, 0.2972,  
0.2890

■ 58.5087, 0.2850,  
0.2598

■ 90.0882, 0.3078,  
0.3159

■ 46.0407, 0.2713,  
0.2288

99.9987, 0.3127,  
0.3290

■ 35.6461, 0.2562,  
0.1969

■ 27.2077, 0.2401,  
0.1654

■ 20.5964, 0.2237,  
0.1362

■ 15.6667, 0.2078,  
0.1111

■ 12.2501, 0.1934,  
0.0916

■ 10.1398, 0.1812,  
0.0787

■ 9.4613, 0.1762,  
0.0744

# Harmonies

## Analogous

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



73.1547, 0.2767, 0.2877



73.1547, 0.2972, 0.2890



73.1547, 0.3226, 0.2999

# Triad

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



73.1547, 0.2972, 0.2890



73.1547, 0.3616, 0.3587



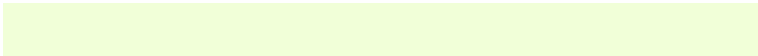
73.1547, 0.2798, 0.3395

# Complementary

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



73.1547, 0.2972, 0.2890



95.1704, 0.3266, 0.3682

# 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.



73.1547, 0.3015, 0.3610



73.1547, 0.2972, 0.2890



73.1547, 0.3490, 0.3716

# Square

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



73.1547, 0.2972, 0.2890



73.1547, 0.3607, 0.3391



73.1547, 0.3268, 0.3728



73.1547, 0.2670, 0.3158



# Rectangle

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



73.1547, 0.2972, 0.2890



73.1547, 0.3390, 0.3113



73.1547, 0.3268, 0.3728



73.1547, 0.2863, 0.3473

# Sweetspot

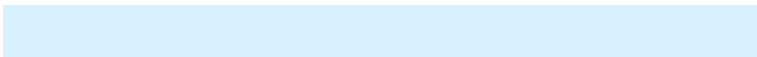
The Sweet Spot groups the original color and five complimentary colors.



73.1578, 0.2972, 0.2890



90.6144, 0.3080, 0.3166



84.9338, 0.2889, 0.3149



19.1231, 0.3073, 0.3148



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.



73.1578, 0.2972, 0.2890



68.9655, 0.2941, 0.2813



76.5033, 0.3104, 0.2906



17.6944, 0.3035, 0.3048



5.0206, 0.1778, 0.0753



0.5476, 0.1902, 0.0821



# Inverse Universe

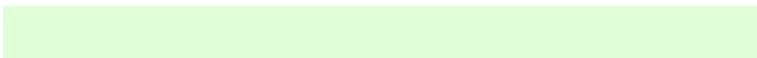
The Inverse Universe completely reimagines the original color for something new.



76.7281, 0.3239, 0.3043



73.1157, 0.3262, 0.2997



91.9738, 0.3144, 0.3697



18.1834, 0.3193, 0.3139



12.5319, 0.4375, 0.2184



1.2411, 0.4207, 0.2091



# Previews

## White Background



This preview shows how the Yxy color 73.1547, 0.2972, 0.2890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

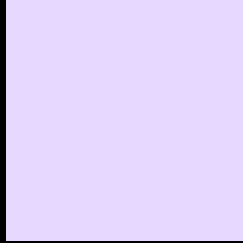
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1547, 0.2972, 0.2890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

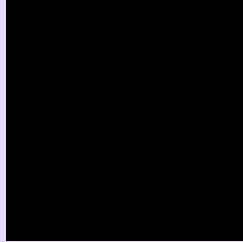
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.1547, 0.2972, 0.2890**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1547, 0.2972, 0.2890.

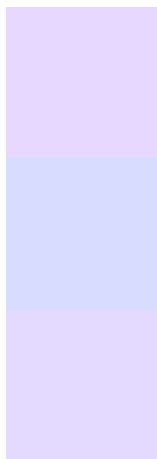


This preview shows how white text looks on a background with the Yxy color 73.1547, 0.2972, 0.2890.

# 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

73.1547, 0.2972, 0.2890

### Protanopia

73.5318, 0.2880, 0.2932

### Deuteranopia

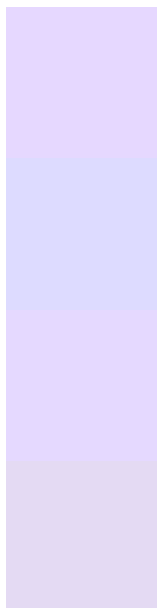
73.3397, 0.2959, 0.2899



## Tritanopia

73.0501, 0.3072, 0.3110

# Trichromacy



## Original Color

73.1547, 0.2972, 0.2890

## Protanomaly

73.2552, 0.2912, 0.2915

## Deuteranomaly

73.5037, 0.2965, 0.2899

## Tritanomaly

73.1079, 0.3034, 0.3029

# Monochromacy



## Original Color

73.1547, 0.2972, 0.2890

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.6296, 0.3071, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1547, 0.2972, 0.2890 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 216, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1547, 0.2972, 0.2890 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, 216, 255) }
```

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

```
.border{ border-color:rgb(230, 216, 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, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 216,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1547, 0.2972, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 216, 255) }
```

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

```
.background{ background-color: rgb(230,  
216, 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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