

# Converting Colors

Yxy(63.5235, 0.2844, 0.2558)

Have a look what the booklet for  
Yxy(63.5235, 0.2844, 0.2558)  
contains.

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# Color

**Yxy(62.5471, 0.2927, 0.2671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C4FF
RGB	224, 196, 255
RGB Percent	88%, 77%, 100%
CMY	0.1214, 0.2314, 0.0000
CMYK	0.12, 0.23, 0.00, 0.00
HSL	269°, 100%, 88%
HSV	269°, 23%, 100%
XYZ	68.5419, 62.5471, 103.0821
YIQ	211.0980, -2.2510, 24.2850

# Conversions

## Conversions Part 2

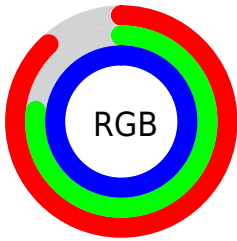
Format	Color
R <sub>Y</sub> B	224, 196, 255
Decimal	14730495
CIE Lab	83.20, 20.77, -25.34
CIE LCh	83, 32.770, 309.343
Yxy	62.5471, 0.2927, 0.2671
Android (android.graphics.Color)	4292920575 (0xFFE0C4FF)
YUV	211.0980, 21.6437, 11.3151
Hunter-Lab	79.0867, 16.2983, -21.9182

# Details

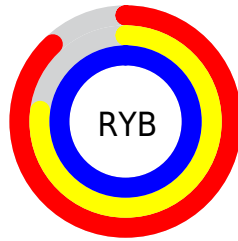
The Yxy color  $62.5471, 0.2927, 0.2671$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $91.8269, 0.3292, 0.3906$ , and the grayscale version is  $65.0682, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.7306, 0.3128, 0.3271$ , and  $31.7480, 0.2872, 0.2531$  is the 20% darker color. If you saturate the color by 10%, you get  $49.9523, 0.2818, 0.2375$ , and if you desaturate by 10%, it is  $77.2678, 0.3022, 0.2952$ .

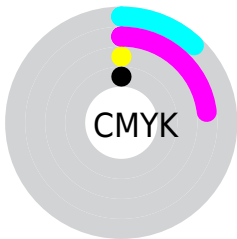
# Distribution



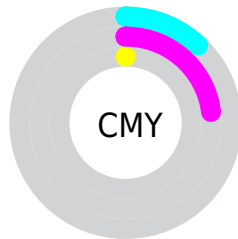
- Red (88%)
- Green (77%)
- Blue (100%)



- Red (88%)
- Yellow (77%)
- Blue (100%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5471, 0.2927, 0.2671 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 62.5471, 0.2927, 0.2671 by changing the saturation by 10% instead.



62.5471, 0.2927,  
0.2671

62.5471, 0.2927,  
0.2671

433.9239, 0.3025,  
0.2952

45.4749, 0.2903,  
0.2608

108.5159, 0.2962,  
0.2767

31.8317, 0.2873,  
0.2532

138.1812, 0.2976,  
0.2805

21.2330, 0.2835,  
0.2437

172.8131, 0.2987,  
0.2838

13.2944, 0.2783,  
0.2315

212.7959, 0.2997,  
0.2866

7.6316, 0.2709,  
0.2154

258.5139, 0.3005,  
0.2891

3.8601, 0.2600,  
0.1932

310.3517, 0.3013,

1.5956, 0.2423,

0.2914

0.1612

368.6936, 0.3020,  
0.2934

0.3546, 0.2155,  
0.0905

0.0000, 0.0000,  
0.0000

62.5471, 0.2927,  
0.2671

62.5471, 0.2927,  
0.2671

49.9523, 0.2818,  
0.2375

77.2678, 0.3022,  
0.2952

39.3765, 0.2696,  
0.2071

94.2057, 0.3104,  
0.3213

30.7096, 0.2564,  
0.1772

100.0000, 0.3127,  
0.3290

23.8290, 0.2426,  
0.1492

■ 18.5975, 0.2286,  
0.1247

■ 14.8564, 0.2153,  
0.1053

■ 12.4140, 0.2032,  
0.0916

■ 11.3016, 0.1957,  
0.0852

# Harmonies

## Analogous

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



62.5471, 0.2584, 0.2620



62.5471, 0.2927, 0.2671



62.5471, 0.3348, 0.2861

# Triad

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



62.5471, 0.2927, 0.2671



62.5471, 0.3913, 0.3800



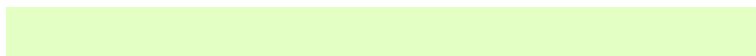
62.5471, 0.2550, 0.3396

# Complementary

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



62.5471, 0.2927, 0.2671



91.8269, 0.3292, 0.3906

# 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.



62.5471, 0.2877, 0.3784



62.5471, 0.2927, 0.2671



62.5471, 0.3667, 0.4006

# Square

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



62.5471, 0.2927, 0.2671



62.5471, 0.3939, 0.3487



62.5471, 0.3285, 0.4014



62.5471, 0.2378, 0.3006



# Rectangle

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



62.5471, 0.2927, 0.2671



62.5471, 0.3614, 0.3047



62.5471, 0.3285, 0.4014



62.5471, 0.2644, 0.3534

# Sweetspot

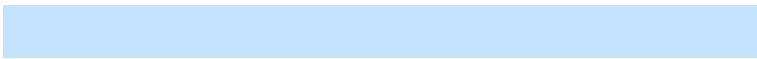
The Sweet Spot groups the original color and five complimentary colors.



62.5486, 0.2927, 0.2671



87.4024, 0.3074, 0.3115



74.1449, 0.2760, 0.2991



18.4865, 0.3069, 0.3099



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.



62.5486, 0.2927, 0.2671



56.1703, 0.2876, 0.2529



67.5832, 0.3140, 0.2710



17.8012, 0.3054, 0.3050



5.9928, 0.1974, 0.0861



0.6480, 0.2098, 0.0929



# Inverse Universe

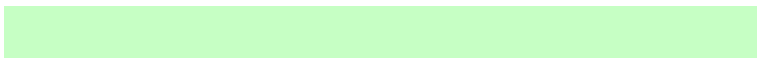
The Inverse Universe completely reimagines the original color for something new.



66.2774, 0.3362, 0.2978



60.5985, 0.3425, 0.2909



87.5046, 0.3108, 0.3942



18.1463, 0.3212, 0.3166



12.0353, 0.4860, 0.2451



1.1939, 0.4620, 0.2319



# Previews

## White Background



This preview shows how the Yxy color 62.5471, 0.2927, 0.2671 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

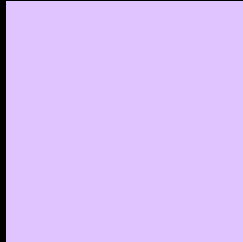
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5471, 0.2927, 0.2671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

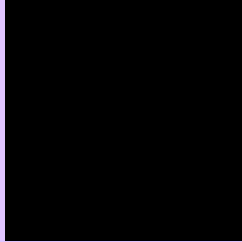
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

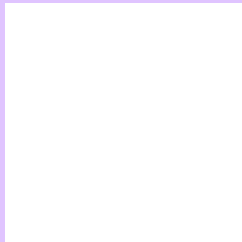
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.5471, 0.2927, 0.2671**

## Background



This preview shows how black text looks on a background with the Yxy color 62.5471, 0.2927, 0.2671.

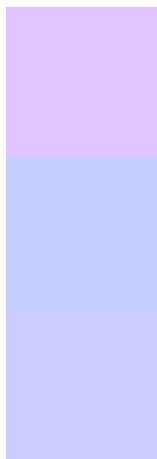


This preview shows how white text looks on a background with the Yxy color 62.5471, 0.2927, 0.2671.

# 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

62.5471, 0.2927, 0.2671

### Protanopia

62.4847, 0.2733, 0.2738

### Deuteranopia

62.7050, 0.2797, 0.2734



## Tritanopia

62.7318, 0.3128, 0.3112

# Trichromacy



## Original Color

62.5471, 0.2927, 0.2671

## Protanomaly

62.5829, 0.2804, 0.2715

## Deuteranomaly

62.3132, 0.2843, 0.2708

## Tritanomaly

62.3504, 0.3053, 0.2940

# Monochromacy



## Original Color

62.5471, 0.2927, 0.2671

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.2876, 0.3056, 0.3058

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5471, 0.2927, 0.2671 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(224, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 196, 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(224, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 196, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5471, 0.2927, 0.2671 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(224, 196, 255) }
```

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

```
.border{ border-color:rgb(224, 196, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 196, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 196,  
255) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 62.5471, 0.2927, 0.2671$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 196, 255) }
```

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

```
.background{ background-color: rgb(224,  
196, 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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