

# Converting Colors

$Y_{xy}(65.7303, 0.2963, 0.2750)$

Have a look what the booklet for  
Yxy(65.7303, 0.2963, 0.2750)  
contains.

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# Color

**Yxy(65.8908, 0.2963, 0.2750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4CAFE
RGB	228, 202, 254
RGB Percent	89%, 79%, 100%
CMY	0.1060, 0.2078, 0.0040
CMYK	0.10, 0.20, 0.00, 0.00
HSL	270°, 96%, 89%
HSV	270°, 20%, 100%
XYZ	70.9943, 65.8908, 102.7178
YIQ	215.7020, -1.1960, 21.6840

# Conversions

## Conversions Part 2

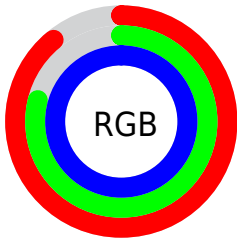
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 202, 254
Decimal	14994174
CIE Lab	84.94, 18.57, -22.12
CIE LCh	85, 28.880, 310.022
Yxy	65.8908, 0.2963, 0.2750
Android (android.graphics.Color)	4293184254 (0xFFE4CAFE)
YUV	215.7020, 18.8809, 10.7853
Hunter-Lab	81.1731, 14.0638, -18.2053

# Details

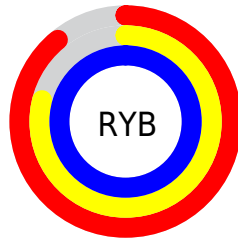
The Yxy color **65.8908, 0.2963, 0.2750** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.6278, 0.3265, 0.3831**, and the grayscale version is **68.3252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.9817, 0.2920, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **52.9361, 0.2863, 0.2459**, and if you desaturate by 10%, it is **80.9651, 0.3050, 0.3025**.

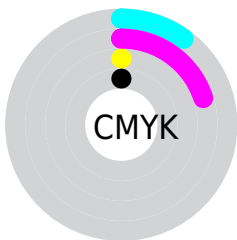
# Distribution



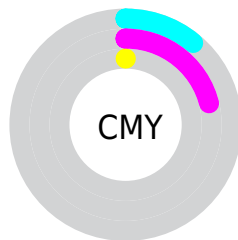
- Red (89%)
- Green (79%)
- Blue (100%)



- Red (89%)
- Yellow (79%)
- Blue (100%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (21%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8908, 0.2963, 0.2750 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 65.8908, 0.2963, 0.2750 by changing the saturation by 10% instead.



 65.8908, 0.2963,  
0.2750

 65.8908, 0.2963,  
0.2750

445.9862, 0.3043,  
0.2994

 48.1838, 0.2944,  
0.2696


113.3296, 0.2992,  
0.2834

 33.9724, 0.2920,  
0.2629


143.8301, 0.3002,  
0.2866

 22.8724, 0.2889,  
0.2546


179.3640, 0.3012,  
0.2895

 14.4993, 0.2847,  
0.2440

220.3155, 0.3020,  
0.2920

 8.4688, 0.2789,  
0.2300

267.0691, 0.3027,  
0.2942

 4.3963, 0.2702,  
0.2105

320.0091, 0.3033,

 1.8976, 0.2561,

0.2961

0.1822

379.5201, 0.3038,  
0.2979

0.5470, 0.2327,  
0.1298

0.0000, 0.0000,  
0.0000

65.8908, 0.2963,  
0.2750

65.8908, 0.2963,  
0.2750

52.9361, 0.2863,  
0.2459

80.9651, 0.3050,  
0.3025

41.9936, 0.2750,  
0.2159

98.2431, 0.3124,  
0.3279

32.9588, 0.2626,  
0.1861

99.9340, 0.3133,  
0.3300

25.7142, 0.2495,  
0.1578

■ 20.1286, 0.2360,  
0.1327

■ 16.0523, 0.2229,  
0.1122

■ 13.3068, 0.2108,  
0.0972

■ 11.6567, 0.2003,  
0.0877

# Harmonies

## Analogous

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



65.8908, 0.2660, 0.2704



65.8908, 0.2963, 0.2750



65.8908, 0.3328, 0.2920

# Triad

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



65.8908, 0.2963, 0.2750



65.8908, 0.3806, 0.3743



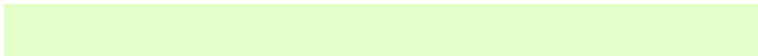
65.8908, 0.2620, 0.3376

# Complementary

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



65.8908, 0.2963, 0.2750



91.6278, 0.3265, 0.3831

# 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.



65.8908, 0.2904, 0.3707



65.8908, 0.2963, 0.2750



65.8908, 0.3592, 0.3913

# Square

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



65.8908, 0.2963, 0.2750



65.8908, 0.3831, 0.3473



65.8908, 0.3260, 0.3909



65.8908, 0.2471, 0.3041



# Rectangle

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



65.8908, 0.2963, 0.2750



65.8908, 0.3556, 0.3085



65.8908, 0.3260, 0.3909



65.8908, 0.2702, 0.3493

# Sweetspot

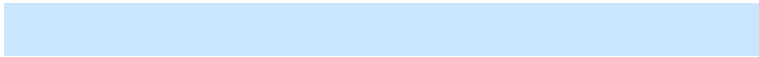
The Sweet Spot groups the original color and five complimentary colors.



65.8936, 0.2963, 0.2750



89.2004, 0.3084, 0.3141



75.6751, 0.2803, 0.3020



18.8515, 0.3080, 0.3124



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.



65.8936, 0.2963, 0.2750



60.2943, 0.2919, 0.2619



70.3065, 0.3145, 0.2779



17.8235, 0.3057, 0.3050



6.2347, 0.2020, 0.0886



0.6720, 0.2142, 0.0954



# Inverse Universe

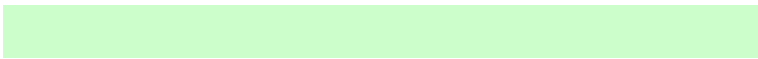
The Inverse Universe completely reimagines the original color for something new.



68.9179, 0.3339, 0.3028



63.9667, 0.3398, 0.2966



87.8114, 0.3106, 0.3858



18.1387, 0.3215, 0.3172



11.9479, 0.4963, 0.2507



1.1854, 0.4708, 0.2367



# Previews

## White Background



This preview shows how the Yxy color 65.8908, 0.2963, 0.2750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

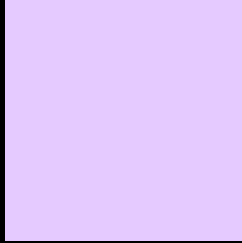
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.8908, 0.2963, 0.2750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

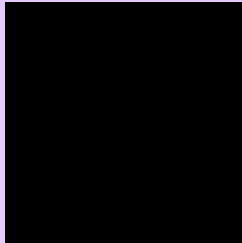
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.8908, 0.2963, 0.2750**

## Background



This preview shows how black text looks on a background with the Yxy color 65.8908, 0.2963, 0.2750.

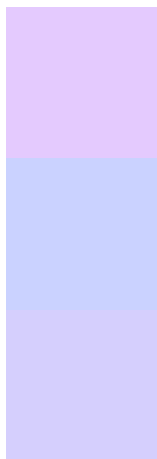


This preview shows how white text looks on a background with the Yxy color 65.8908, 0.2963, 0.2750.

# 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

65.8908, 0.2963, 0.2750

### Protanopia

65.8697, 0.2783, 0.2801

### Deuteranopia

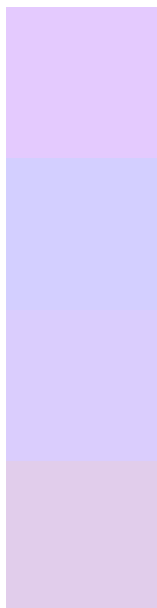
65.8636, 0.2866, 0.2798



## Tritanopia

65.6954, 0.3128, 0.3105

# Trichromacy



## Original Color

65.8908, 0.2963, 0.2750

## Protanomaly

65.6945, 0.2841, 0.2776

## Deuteranomaly

65.6599, 0.2900, 0.2781

## Tritanomaly

65.6684, 0.3068, 0.2968

# Monochromacy



## Original Color

65.8908, 0.2963, 0.2750

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.5173, 0.3064, 0.3083

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.8908, 0.2963, 0.2750 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(228, 202, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 202, 254)  
}
```

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(228, 202, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 202, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 65.8908, 0.2963, 0.2750 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(228, 202, 254) }
```

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

```
.border{ border-color:rgb(228, 202, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 202, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 202, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 202, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 202,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.8908, 0.2963, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 202, 254) }
```

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

```
.background{ background-color: rgb(228,  
202, 254) }
```

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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