

# Converting Colors

Yxy(65.8458, 0.2929, 0.2747)

Have a look what the booklet for  
Yxy(65.8458, 0.2929, 0.2747)  
contains.

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# Color

**Yxy(65.7792, 0.2928, 0.2746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CBFF
RGB	224, 203, 255
RGB Percent	88%, 80%, 100%
CMY	0.1217, 0.2039, 0.0000
CMYK	0.12, 0.20, 0.00, 0.00
HSL	264°, 100%, 90%
HSV	264°, 20%, 100%
XYZ	70.1389, 65.7792, 103.6274
YIQ	215.2070, -4.1760, 20.6240

# Conversions

## Conversions Part 2

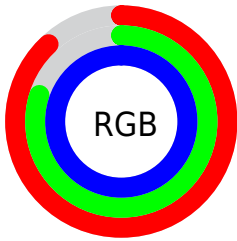
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 203, 255
Decimal	14732287
CIE Lab	84.88, 16.99, -22.79
CIE LCh	85, 28.426, 306.700
Yxy	65.7792, 0.2928, 0.2746
Android (android.graphics.Color)	4292922367 (0xFFE0CBFF)
YUV	215.2070, 19.6179, 7.7115
Hunter-Lab	81.1044, 12.4338, -18.9820

# Details

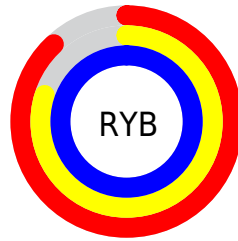
The Yxy color  $65.7792, 0.2928, 0.2746$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $93.3353, 0.3297, 0.3823$ , and the grayscale version is  $67.9665, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $33.8969, 0.2875, 0.2628$  is the 20% darker color. If you saturate the color by 10%, you get  $52.3847, 0.2808, 0.2448$ , and if you desaturate by 10%, it is  $81.3747, 0.3033, 0.3025$ .

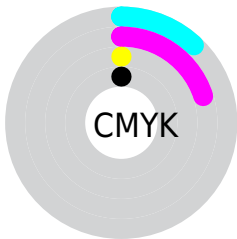
# Distribution



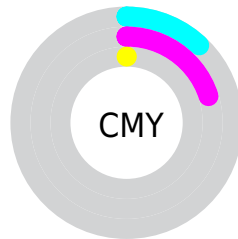
- Red (88%)
- Green (80%)
- Blue (100%)



- Red (88%)
- Yellow (80%)
- Blue (100%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7792, 0.2928, 0.2746 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 65.7792, 0.2928, 0.2746 by changing the saturation by 10% instead.



65.7792, 0.2928,  
0.2746

65.7792, 0.2928,  
0.2746

445.5868, 0.3024,  
0.2993

48.0932, 0.2905,  
0.2691

113.1694, 0.2962,  
0.2830

33.9007, 0.2877,  
0.2624

143.6423, 0.2975,  
0.2864

22.8173, 0.2840,  
0.2540

179.1463, 0.2986,  
0.2892

14.4587, 0.2791,  
0.2433

220.0659, 0.2996,  
0.2917

8.4404, 0.2723,  
0.2290

266.7853, 0.3004,  
0.2940

4.3780, 0.2623,  
0.2094

319.6890, 0.3012,

1.8872, 0.2463,

0.2959

0.1807

379.1614, 0.3018,  
0.2977

0.5407, 0.2198,  
0.1275

0.0000, 0.0000,  
0.0000

65.7792, 0.2928,  
0.2746

65.7792, 0.2928,  
0.2746

52.3847, 0.2808,  
0.2448

81.3747, 0.3033,  
0.3025

41.0854, 0.2673,  
0.2136

99.2634, 0.3124,  
0.3281

31.7715, 0.2526,  
0.1824

100.0000, 0.3127,  
0.3290

24.3218, 0.2372,  
0.1525

■ 18.6013, 0.2217,  
0.1258

■ 14.4557, 0.2070,  
0.1039

■ 11.7016, 0.1938,  
0.0880

■ 10.0869, 0.1830,  
0.0782

# Harmonies

## Analogous

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



65.7792, 0.2641, 0.2716



65.7792, 0.2928, 0.2746



65.7792, 0.3285, 0.2902

# Triad

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



65.7792, 0.2928, 0.2746



65.7792, 0.3808, 0.3711



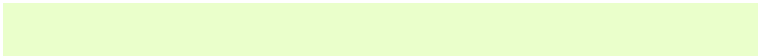
65.7792, 0.2653, 0.3414

# Complementary

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



65.7792, 0.2928, 0.2746



93.3353, 0.3297, 0.3823

# 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.



65.7792, 0.2945, 0.3731



65.7792, 0.2928, 0.2746



65.7792, 0.3616, 0.3893

# Square

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



65.7792, 0.2928, 0.2746



65.7792, 0.3810, 0.3439



65.7792, 0.3297, 0.3910



65.7792, 0.2489, 0.3078



# Rectangle

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



65.7792, 0.2928, 0.2746



65.7792, 0.3515, 0.3059



65.7792, 0.3297, 0.3910



65.7792, 0.2738, 0.3528

# Sweetspot

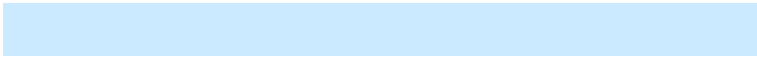
The Sweet Spot groups the original color and five complimentary colors.



65.7804, 0.2928, 0.2746



88.9318, 0.3075, 0.3140



78.8824, 0.2807, 0.3068



18.7881, 0.3069, 0.3123



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.



65.7804, 0.2928, 0.2746



60.6898, 0.2886, 0.2640



70.2274, 0.3113, 0.2776



17.7348, 0.3042, 0.3049



5.3520, 0.1847, 0.0791



0.5827, 0.1972, 0.0860



# Inverse Universe

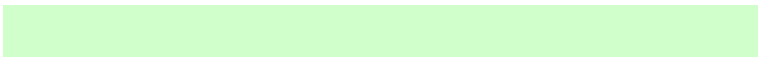
The Inverse Universe completely reimagines the original color for something new.



69.9240, 0.3301, 0.2979



65.4873, 0.3338, 0.2922



89.2738, 0.3133, 0.3851



18.1692, 0.3200, 0.3149



12.3285, 0.4556, 0.2283



1.2220, 0.4360, 0.2175



# Previews

## White Background



This preview shows how the Yxy color 65.7792, 0.2928, 0.2746 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

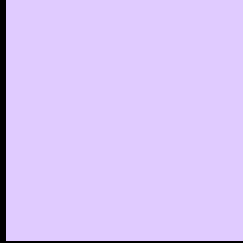
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7792, 0.2928, 0.2746 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

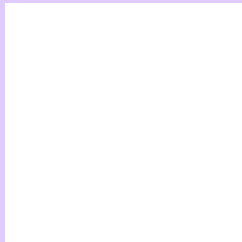
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.7792, 0.2928, 0.2746**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7792, 0.2928, 0.2746.

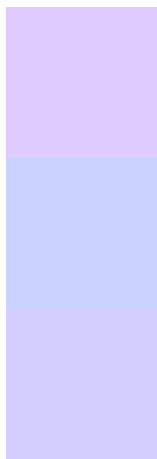


This preview shows how white text looks on a background with the Yxy color 65.7792, 0.2928, 0.2746.

# 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

65.7792, 0.2928, 0.2746

### Protanopia

65.8697, 0.2783, 0.2801

### Deuteranopia

65.7785, 0.2853, 0.2787



## Tritanopia

65.6081, 0.3091, 0.3103

# Trichromacy



## Original Color

65.7792, 0.2928, 0.2746

## Protanomaly

65.5473, 0.2834, 0.2775

## Deuteranomaly

65.8973, 0.2880, 0.2780

## Tritanomaly

65.5709, 0.3032, 0.2966

# Monochromacy



## Original Color

65.7792, 0.2928, 0.2746

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.2071, 0.3050, 0.3082

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7792, 0.2928, 0.2746 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, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 203, 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, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 203, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7792, 0.2928, 0.2746 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, 203, 255) }
```

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

```
.border{ border-color:rgb(224, 203, 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, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 203, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 203, 255); box-shadow:4px 4px 4px 4px rgb(224, 203, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7792, 0.2928, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 203, 255) }
```

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

```
.background{ background-color: rgb(224,  
203, 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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