

# Converting Colors

$Yxy(64.7989, 0.2864, 0.2747)$

Have a look what the booklet for  
Yxy(64.7989, 0.2864, 0.2747)  
contains.

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# Color

**Yxy(64.8528, 0.2866, 0.2747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7CCFF
RGB	215, 204, 255
RGB Percent	84%, 80%, 100%
CMY	0.1570, 0.2000, 0.0000
CMYK	0.16, 0.20, 0.00, 0.00
HSL	253°, 100%, 90%
HSV	253°, 20%, 100%
XYZ	67.6622, 64.8528, 103.5709
YIQ	213.1030, -9.8150, 18.1930

# Conversions

## Conversions Part 2

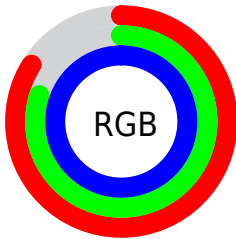
Format	Color
R <sub>Y</sub> B	215, 204, 255
Decimal	14142719
CIE Lab	84.41, 13.66, -23.58
CIE LCh	84, 27.246, 300.083
Yxy	64.8528, 0.2866, 0.2747
Android (android.graphics.Color)	4292332799 (0xFFD7CCFF)
YUV	213.1030, 20.6552, 1.6637
Hunter-Lab	80.5312, 9.0458, -19.8808

# Details

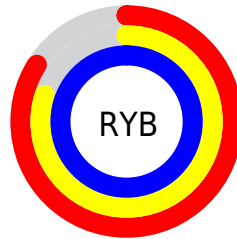
The Yxy color  $64.8528, 0.2866, 0.2747$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $95.1207, 0.3357, 0.3802$ , and the grayscale version is  $66.4747, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $33.3635, 0.2804, 0.2628$  is the 20% darker color. If you saturate the color by 10%, you get  $50.8610, 0.2708, 0.2435$ , and if you desaturate by 10%, it is  $81.2033, 0.3006, 0.3033$ .

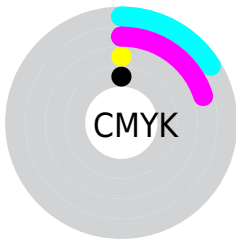
# Distribution



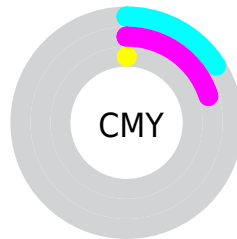
- Red (84%)
- Green (80%)
- Blue (100%)



- Red (84%)
- Yellow (80%)
- Blue (100%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8528, 0.2866, 0.2747 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 64.8528, 0.2866, 0.2747 by changing the saturation by 10% instead.



64.8528, 0.2866,  
0.2747

64.8528, 0.2866,  
0.2747

442.2628, 0.2991,  
0.2995

47.3417, 0.2837,  
0.2692

111.8382, 0.2910,  
0.2832

33.3059, 0.2800,  
0.2624

142.0813, 0.2927,  
0.2865

22.3609, 0.2754,  
0.2539

177.3373, 0.2941,  
0.2894

14.1223, 0.2692,  
0.2429

217.9904, 0.2954,  
0.2919

8.2058, 0.2607,  
0.2284

264.4251, 0.2965,  
0.2942

4.2269, 0.2482,  
0.2082

317.0258, 0.2974,

1.8013, 0.2286,

0.2961

0.1787

376.1769, 0.2983,  
0.2979

0.4880, 0.1970,  
0.1206

0.0000, 0.0000,  
0.0000

64.8528, 0.2866,  
0.2747

64.8528, 0.2866,  
0.2747

50.8610, 0.2708,  
0.2435

81.2033, 0.3006,  
0.3033

39.1128, 0.2534,  
0.2104

100.0000, 0.3127,  
0.3290

29.4916, 0.2349,  
0.1767

21.8674, 0.2160,  
0.1441

■ 16.0962, 0.1979,  
0.1149

■ 12.0140, 0.1819,  
0.0913

■ 9.4267, 0.1690,  
0.0748

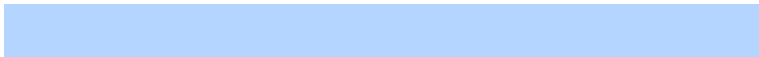
■ 8.0274, 0.1598,  
0.0654

■ 8.0268, 0.1598,  
0.0654

# Harmonies

## Analogous

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



64.8528, 0.2613, 0.2748



64.8528, 0.2866, 0.2747



64.8528, 0.3203, 0.2873

# Triad

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



64.8528, 0.2866, 0.2747



64.8528, 0.3800, 0.3644



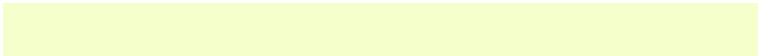
64.8528, 0.2723, 0.3482

# Complementary

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



64.8528, 0.2866, 0.2747



95.1207, 0.3357, 0.3802

# 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.



64.8528, 0.3025, 0.3766



64.8528, 0.2866, 0.2747



64.8528, 0.3652, 0.3844

# Square

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



64.8528, 0.2866, 0.2747



64.8528, 0.3758, 0.3372



64.8528, 0.3366, 0.3898



64.8528, 0.2534, 0.3154



# Rectangle

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



64.8528, 0.2866, 0.2747



64.8528, 0.3431, 0.3014



64.8528, 0.3366, 0.3898



64.8528, 0.2814, 0.3588

# Sweetspot

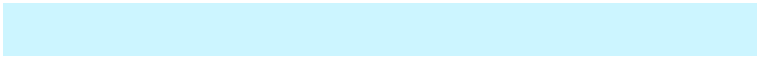
The Sweet Spot groups the original color and five complimentary colors.



64.8545, 0.2866, 0.2747



88.4163, 0.3056, 0.3139



85.2446, 0.2820, 0.3182



18.6665, 0.3048, 0.3122



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.



64.8545, 0.2866, 0.2747



58.9734, 0.2805, 0.2625



68.8852, 0.3040, 0.2774



17.5659, 0.3012, 0.3047



4.2462, 0.1610, 0.0660



0.4583, 0.1711, 0.0716



# Inverse Universe

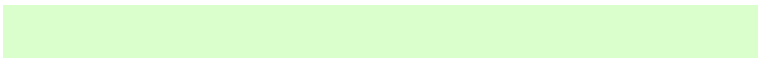
The Inverse Universe completely reimagines the original color for something new.



70.9859, 0.3227, 0.2894



66.1562, 0.3251, 0.2812



90.9883, 0.3197, 0.3829



18.2296, 0.3171, 0.3105



13.3155, 0.3842, 0.1890

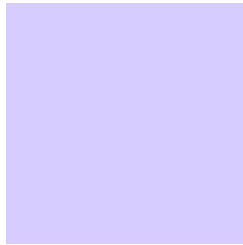


1.3123, 0.3756, 0.1842



# Previews

## White Background



This preview shows how the Yxy color 64.8528, 0.2866, 0.2747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

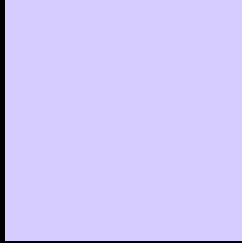
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8528, 0.2866, 0.2747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

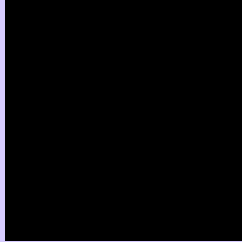
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.8528, 0.2866, 0.2747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8528, 0.2866, 0.2747.

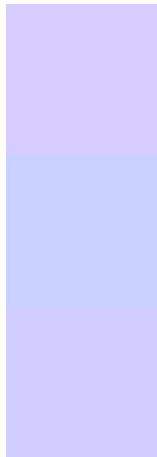


This preview shows how white text looks on a background with the Yxy color 64.8528, 0.2866, 0.2747.

# 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

64.8528, 0.2866, 0.2747

### Protanopia

65.1003, 0.2769, 0.2788

### Deuteranopia

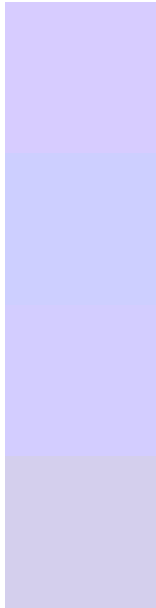
64.9179, 0.2827, 0.2763



## Tritanopia

64.7936, 0.3019, 0.3100

# Trichromacy



## Original Color

64.8528, 0.2866, 0.2747

## Protanomaly

64.8248, 0.2800, 0.2770

## Deuteranomaly

64.7315, 0.2839, 0.2754

## Tritanomaly

64.7371, 0.2961, 0.2960

# Monochromacy



## Original Color

64.8528, 0.2866, 0.2747

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.9908, 0.3034, 0.3091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8528, 0.2866, 0.2747 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(215, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 204, 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(215, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 204, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8528, 0.2866, 0.2747 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(215, 204, 255) }
```

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

```
.border{ border-color:rgb(215, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 204,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8528, 0.2866, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 204, 255) }
```

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

```
.background{ background-color: rgb(215,  
204, 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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