

# Converting Colors

$Yxy(64.6940, 0.2735, 0.2638)$

Have a look what the booklet for  
Yxy(64.6940, 0.2735, 0.2638)  
contains.

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# Color

**Yxy(63.8618, 0.2799, 0.2748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDCDFF
RGB	205, 205, 255
RGB Percent	80%, 80%, 100%
CMY	0.1962, 0.1960, 0.0001
CMYK	0.20, 0.20, 0.00, 0.00
HSL	240°, 100%, 90%
HSV	240°, 20%, 100%
XYZ	65.0470, 63.8618, 103.4849
YIQ	210.7000, -16.0500, 15.5500

# Conversions

## Conversions Part 2

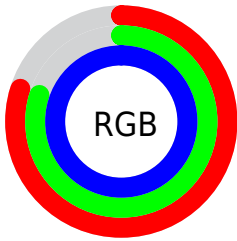
Format	Color
R <sub>Y</sub> B	205, 205, 255
Decimal	13487615
CIE Lab	83.89, 10.05, -24.41
CIE LCh	84, 26.394, 292.370
Yxy	63.8618, 0.2799, 0.2748
Android (android.graphics.Color)	4291677695 (0xFFCDCDFF)
YUV	210.7000, 21.8399, -4.9989
Hunter-Lab	79.9136, 5.4443, -20.8387

# Details

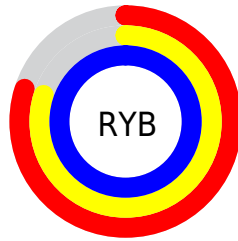
The Yxy color **63.8618, 0.2799, 0.2748** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97.1310, 0.3424, 0.3780**, and the grayscale version is **64.7923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6945, 0.2718, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **49.3190, 0.2602, 0.2422**, and if you desaturate by 10%, it is **80.9840, 0.2977, 0.3041**.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8618, 0.2799, 0.2748 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 63.8618, 0.2799, 0.2748 by changing the saturation by 10% instead.



63.8618, 0.2799,  
0.2748

63.8618, 0.2799,  
0.2748

438.6904, 0.2955,  
0.2997

46.5388, 0.2763,  
0.2692

110.4119, 0.2854,  
0.2834

32.6712, 0.2718,  
0.2623

140.4077, 0.2875,  
0.2867

21.8747, 0.2660,  
0.2537

175.3966, 0.2893,  
0.2896

13.7648, 0.2585,  
0.2425

215.7629, 0.2908,  
0.2922

7.9573, 0.2481,  
0.2276

261.8910, 0.2922,  
0.2944

4.0676, 0.2331,  
0.2068

314.1654, 0.2934,

1.7115, 0.2098,

0.2963

0.1762

372.9704, 0.2945,  
0.2981

0.4311, 0.1706,  
0.1123

0.0000, 0.0000,  
0.0000

63.8618, 0.2799,  
0.2748

63.8618, 0.2799,  
0.2748

49.3190, 0.2602,  
0.2422

80.9840, 0.2977,  
0.3041

37.2233, 0.2390,  
0.2072

99.9985, 0.3127,  
0.3290

27.4426, 0.2172,  
0.1712

19.8293, 0.1962,  
0.1365

■ 14.2185, 0.1778,  
0.1060

■ 10.4221, 0.1635,  
0.0823

■ 8.2162, 0.1543,  
0.0672

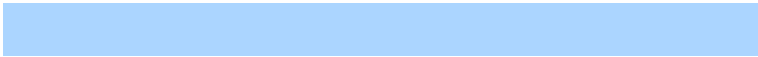
■ 7.2523, 0.1502,  
0.0603

■ 7.2246, 0.1500,  
0.0601

# Harmonies

## Analogous

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



63.8618, 0.2582, 0.2784



63.8618, 0.2799, 0.2748



63.8618, 0.3113, 0.2841

# Triad

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



63.8618, 0.2799, 0.2748



63.8618, 0.3790, 0.3572



63.8618, 0.2801, 0.3557

# Complementary

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



63.8618, 0.2799, 0.2748



97.1310, 0.3424, 0.3780

# 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.



63.8618, 0.3113, 0.3803



63.8618, 0.2799, 0.2748



63.8618, 0.3692, 0.3791

# Square

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



63.8618, 0.2799, 0.2748



63.8618, 0.3700, 0.3300



63.8618, 0.3440, 0.3885



63.8618, 0.2583, 0.3238



# Rectangle

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



63.8618, 0.2799, 0.2748



63.8618, 0.3340, 0.2963



63.8618, 0.3440, 0.3885



63.8618, 0.2898, 0.3653

# Sweetspot

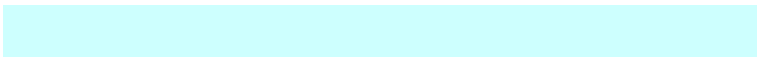
The Sweet Spot groups the original color and five complimentary colors.



63.8644, 0.2799, 0.2748



87.8465, 0.3035, 0.3139



91.6438, 0.2837, 0.3298



18.5324, 0.3025, 0.3121



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.



63.8644, 0.2799, 0.2748



57.1877, 0.2715, 0.2609



67.5443, 0.2965, 0.2773



17.3810, 0.2978, 0.3044



3.7772, 0.1500, 0.0601



0.3689, 0.1501, 0.0602



# Inverse Universe

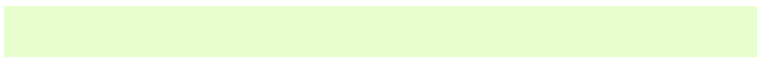
The Inverse Universe completely reimagines the original color for something new.



69.3096, 0.3517, 0.3291



63.6437, 0.3630, 0.3291



92.8672, 0.3265, 0.3806



17.9874, 0.3294, 0.3290



11.1093, 0.6400, 0.3299

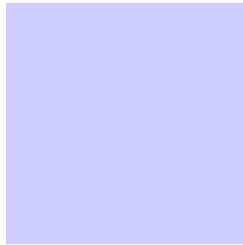


1.0818, 0.6397, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 63.8618, 0.2799, 0.2748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

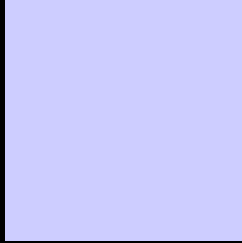
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8618, 0.2799, 0.2748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

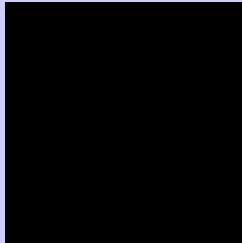
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.8618, 0.2799, 0.2748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8618, 0.2799, 0.2748.

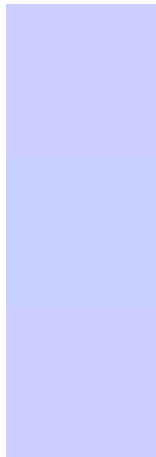


This preview shows how white text looks on a background with the Yxy color 63.8618, 0.2799, 0.2748.

# 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

63.8618, 0.2799, 0.2748

### Protanopia

63.8514, 0.2755, 0.2763

### Deuteranopia

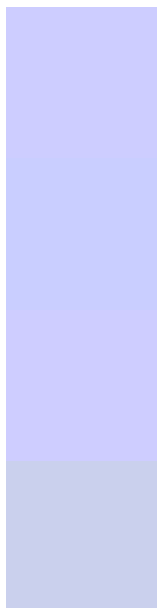
64.0045, 0.2806, 0.2749



## Tritanopia

63.9186, 0.2942, 0.3096

# Trichromacy



## Original Color

63.8618, 0.2799, 0.2748

## Protanomaly

63.7801, 0.2773, 0.2755

## Deuteranomaly

64.0045, 0.2806, 0.2749

## Tritanomaly

63.7827, 0.2891, 0.2965

# Monochromacy



## Original Color

63.8618, 0.2799, 0.2748

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.7023, 0.3005, 0.3088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8618, 0.2799, 0.2748 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(205, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 205, 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(205, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 205, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8618, 0.2799, 0.2748 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(205, 205, 255) }
```

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

```
.border{ border-color:rgb(205, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 205,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8618, 0.2799, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 205, 255) }
```

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

```
.background{ background-color: rgb(205,  
205, 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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