

# Converting Colors

$Yxy(55.7735, 0.2857, 0.2524)$

Have a look what the booklet for  
Yxy(55.7735, 0.2857, 0.2524)  
contains.

<b>Yxy(55.9481, 0.2857, 0.2529)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.9481, 0.2857, 0.2529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7B8FF
RGB	215, 184, 255
RGB Percent	84%, 72%, 100%
CMY	0.1570, 0.2783, 0.0000
CMYK	0.16, 0.28, 0.00, 0.00
HSL	266°, 100%, 86%
HSV	266°, 28%, 100%
XYZ	63.2043, 55.9481, 102.0738
YIQ	201.3630, -4.3150, 28.6530

# Conversions

## Conversions Part 2

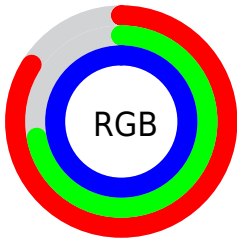
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 184, 255
Decimal	14137599
CIE Lab	79.58, 24.42, -30.94
CIE LCh	80, 39.416, 308.283
Yxy	55.9481, 0.2857, 0.2529
Android (android.graphics.Color)	4292327679 (0xFFD7B8FF)
YUV	201.3630, 26.4430, 11.9596
Hunter-Lab	74.7985, 19.9343, -28.5512

# Details

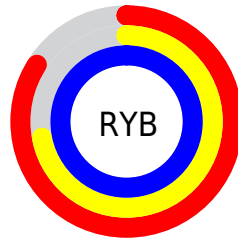
The Yxy color  $55.9481, 0.2857, 0.2529$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $90.8387, 0.3342, 0.4038$ , and the grayscale version is  $58.4793, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.8002, 0.3134, 0.3146$ , and  $27.6807, 0.2779, 0.2359$  is the 20% darker color. If you saturate the color by 10%, you get  $44.2100, 0.2733, 0.2224$ , and if you desaturate by 10%, it is  $69.7917, 0.2967, 0.2821$ .

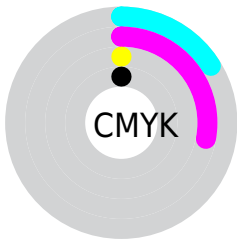
# Distribution



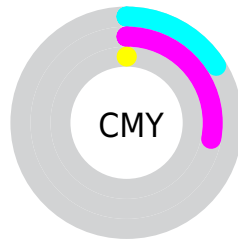
- Red (84%)
- Green (72%)
- Blue (100%)



- Red (84%)
- Yellow (72%)
- Blue (100%)



- Cyan (16%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (28%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9481, 0.2857, 0.2529 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 55.9481, 0.2857, 0.2529 by changing the saturation by 10% instead.





 55.9481, 0.2857,  
0.2529

 55.9481, 0.2857,  
0.2529


409.4959, 0.2992,  
0.2877

 40.1613, 0.2824,  
0.2451

 98.9287, 0.2906,  
0.2648

 27.6643, 0.2782,  
0.2356


126.8913, 0.2924,  
0.2695

 18.0728, 0.2727,  
0.2238


159.6813, 0.2940,  
0.2736

 11.0023, 0.2654,  
0.2087

197.6830, 0.2953,  
0.2771

 6.0684, 0.2549,  
0.1887

241.2810, 0.2965,  
0.2802

 2.8867, 0.2393,  
0.1616

290.8595, 0.2975,

 1.0729, 0.2140,

0.2830

0.1235

346.8030, 0.2984,  
0.2854

0.0000, 0.1736,  
0.0000

0.0000, 0.0000,  
0.0000

55.9481, 0.2857,  
0.2529

55.9481, 0.2857,  
0.2529

44.2100, 0.2733,  
0.2224

69.7917, 0.2967,  
0.2821

34.4631, 0.2596,  
0.1915

85.8336, 0.3062,  
0.3093

26.5922, 0.2451,  
0.1616

99.9999, 0.3127,  
0.3290

20.4673, 0.2303,  
0.1344

■ 15.9409, 0.2158,  
0.1116

■ 12.8398, 0.2025,  
0.0944

■ 10.9340, 0.1909,  
0.0832

■ 10.6082, 0.1886,  
0.0812

# Harmonies

## Analogous

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



55.9481, 0.2445, 0.2469



55.9481, 0.2857, 0.2529



55.9481, 0.3379, 0.2754

# Triad

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



55.9481, 0.2857, 0.2529



55.9481, 0.4109, 0.3895



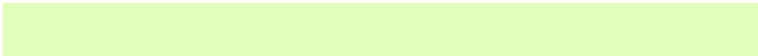
55.9481, 0.2423, 0.3436

# Complementary

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



55.9481, 0.2857, 0.2529



90.8387, 0.3342, 0.4038

# 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.



55.9481, 0.2826, 0.3932



55.9481, 0.2857, 0.2529



55.9481, 0.3805, 0.4174

# Square

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



55.9481, 0.2857, 0.2529



55.9481, 0.4138, 0.3504



55.9481, 0.3332, 0.4211



55.9481, 0.2212, 0.2941



# Rectangle

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



55.9481, 0.2857, 0.2529



55.9481, 0.3718, 0.2974



55.9481, 0.3332, 0.4211



55.9481, 0.2539, 0.3612

# Sweetspot

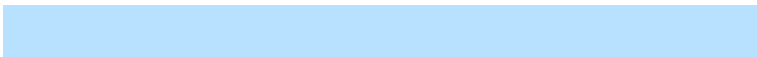
The Sweet Spot groups the original color and five complimentary colors.



55.9504, 0.2857, 0.2529



85.5500, 0.3061, 0.3089



70.8546, 0.2686, 0.2949



17.7649, 0.3047, 0.3049



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.



55.9504, 0.2857, 0.2529



49.6303, 0.2795, 0.2372



61.8835, 0.3123, 0.2587



17.7649, 0.3047, 0.3049



5.6276, 0.1902, 0.0822



0.6112, 0.2028, 0.0891



# Inverse Universe

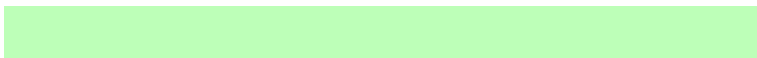
The Inverse Universe completely reimagines the original color for something new.



60.9353, 0.3400, 0.2883



55.4082, 0.3467, 0.2805



85.7683, 0.3118, 0.4092



18.1588, 0.3205, 0.3157



12.1894, 0.4693, 0.2359

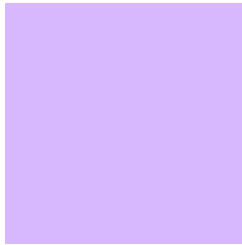


1.2088, 0.4476, 0.2240



# Previews

## White Background



This preview shows how the Yxy color 55.9481, 0.2857, 0.2529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

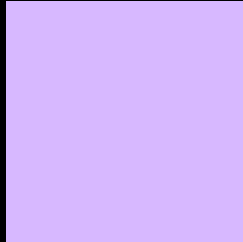
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9481, 0.2857, 0.2529 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 55.9481, 0.2857, 0.2529**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9481, 0.2857, 0.2529.

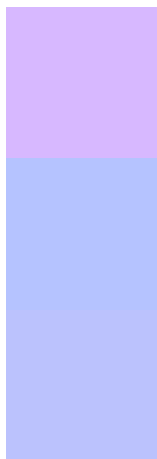


This preview shows how white text looks on a background with the Yxy color 55.9481, 0.2857, 0.2529.

# 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

55.9481, 0.2857, 0.2529

### Protanopia

56.0740, 0.2632, 0.2606

### Deuteranopia

56.2402, 0.2681, 0.2622



## Tritanopia

55.9594, 0.3127, 0.3115

# Trichromacy



## Original Color

55.9481, 0.2857, 0.2529

## Protanomaly

55.8191, 0.2707, 0.2575

## Deuteranomaly

55.8530, 0.2739, 0.2579

## Tritanomaly

55.9648, 0.3028, 0.2892

# Monochromacy



## Original Color

55.9481, 0.2857, 0.2529

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

57.3725, 0.3025, 0.2991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9481, 0.2857, 0.2529 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 184, 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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 184, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9481, 0.2857, 0.2529 is called "border". The border property can be set on classes, ids or directly on the HTML element.

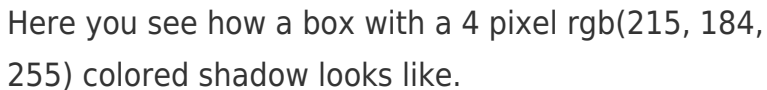
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 184, 255) }
```

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

```
.border{ border-color:rgb(215, 184, 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, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 184, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 184, 255); box-shadow:4px 4px 4px 4px rgb(215, 184, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9481, 0.2857, 0.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 184, 255) }
```

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

```
.background{ background-color: rgb(215,  
184, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor