

# Converting Colors

Yxy(58.5139, 0.2835, 0.2604)

Have a look what the booklet for  
Yxy(58.5139, 0.2835, 0.2604)  
contains.

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# Color

**Yxy(58.3305, 0.2832, 0.2599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3BFFF
RGB	211, 191, 255
RGB Percent	83%, 75%, 100%
CMY	0.1723, 0.2510, 0.0000
CMYK	0.17, 0.25, 0.00, 0.00
HSL	259°, 100%, 87%
HSV	259°, 25%, 100%
XYZ	63.5598, 58.3305, 102.5441
YIQ	204.2760, -8.6240, 24.1440

# Conversions

## Conversions Part 2

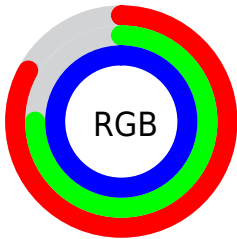
Format	Color
R <sub>Y</sub> B	211, 191, 255
Decimal	13877247
CIE Lab	80.92, 19.47, -28.93
CIE LCh	81, 34.875, 303.937
Yxy	58.3305, 0.2832, 0.2599
Android (android.graphics.Color)	4292067327 (0xFFD3BFFF)
YUV	204.2760, 25.0069, 5.8969
Hunter-Lab	76.3744, 14.8949, -26.1436

# Details

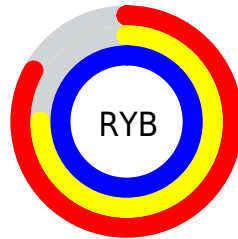
The Yxy color  $58.3305, 0.2832, 0.2599$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $92.9309, 0.3373, 0.3948$ , and the grayscale version is  $60.4131, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.0015, 0.3131, 0.3214$ , and  $29.3221, 0.2757, 0.2450$  is the 20% darker color. If you saturate the color by 10%, you get  $45.7143, 0.2686, 0.2285$ , and if you desaturate by 10%, it is  $73.1648, 0.2962, 0.2894$ .

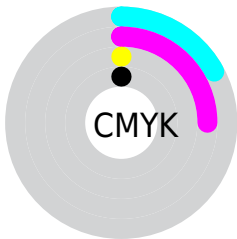
# Distribution



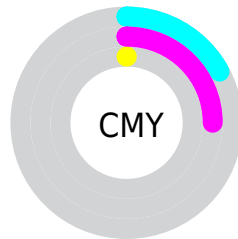
- Red (83%)
- Green (75%)
- Blue (100%)



- Red (83%)
- Yellow (75%)
- Blue (100%)



- Cyan (17%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (25%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3305, 0.2832, 0.2599 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 58.3305, 0.2832, 0.2599 by changing the saturation by 10% instead.




 58.3305, 0.2832,  
0.2599

 58.3305, 0.2832,  
0.2599


418.4163, 0.2977,  
0.2915

 42.0744, 0.2797,  
0.2528


 102.4040, 0.2884,  
0.2708

 29.1596, 0.2754,  
0.2441


130.9902, 0.2903,  
0.2750

 19.2016, 0.2697,  
0.2333

164.4552, 0.2920,  
0.2787

 11.8160, 0.2622,  
0.2194

203.1834, 0.2934,  
0.2819

 6.6185, 0.2516,  
0.2009

247.5592, 0.2947,  
0.2848

 3.2247, 0.2360,  
0.1756

297.9671, 0.2958,

 1.2501, 0.2111,

0.2873

0.1394

354.7913, 0.2968,  
0.2895

0.1021, 0.1711,  
0.0305

0.0000, 0.0000,  
0.0000

58.3305, 0.2832,  
0.2599

58.3305, 0.2832,  
0.2599

45.7143, 0.2686,  
0.2285

73.1648, 0.2962,  
0.2894

35.2062, 0.2525,  
0.1961

90.3181, 0.3076,  
0.3163

26.6876, 0.2355,  
0.1640

100.0000, 0.3127,  
0.3290

20.0275, 0.2183,  
0.1341

■ 15.0787, 0.2018,  
0.1083

■ 11.6707, 0.1872,  
0.0885

■ 9.5949, 0.1751,  
0.0755

■ 8.9233, 0.1702,  
0.0711

# Harmonies

## Analogous

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



58.3305, 0.2487, 0.2573



58.3305, 0.2832, 0.2599



58.3305, 0.3282, 0.2780

# Triad

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



58.3305, 0.2832, 0.2599



58.3305, 0.4007, 0.3784



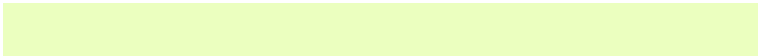
58.3305, 0.2553, 0.3486

# Complementary

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



58.3305, 0.2832, 0.2599



92.9309, 0.3373, 0.3948

# 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.



58.3305, 0.2929, 0.3894



58.3305, 0.2832, 0.2599



58.3305, 0.3775, 0.4041

# Square

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



58.3305, 0.2832, 0.2599



58.3305, 0.3989, 0.3433



58.3305, 0.3377, 0.4100



58.3305, 0.2335, 0.3047



# Rectangle

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



58.3305, 0.2832, 0.2599



58.3305, 0.3583, 0.2968



58.3305, 0.3377, 0.4100



58.3305, 0.2664, 0.3635

# Sweetspot

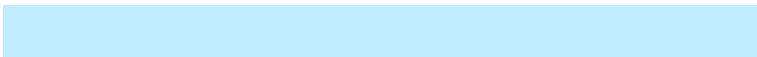
The Sweet Spot groups the original color and five complimentary colors.



58.3307, 0.2832, 0.2599



85.1079, 0.3045, 0.3088



78.1668, 0.2739, 0.3081



17.6540, 0.3028, 0.3048



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.



58.3307, 0.2832, 0.2599



51.8844, 0.2762, 0.2448



63.3860, 0.3060, 0.2644



17.6540, 0.3028, 0.3048



4.7321, 0.1717, 0.0719



0.5159, 0.1836, 0.0785



# Inverse Universe

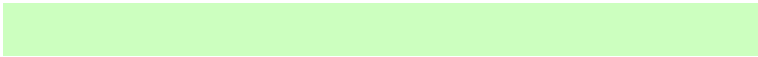
The Inverse Universe completely reimagines the original color for something new.



64.5080, 0.3306, 0.2849



59.0705, 0.3350, 0.2760



88.0879, 0.3172, 0.3992



18.1977, 0.3186, 0.3128



12.7553, 0.4200, 0.2087

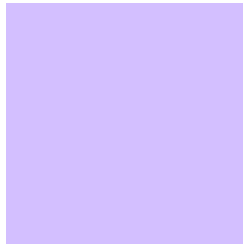


1.2617, 0.4059, 0.2009



# Previews

## White Background



This preview shows how the Yxy color 58.3305, 0.2832, 0.2599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

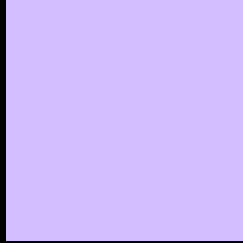
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3305, 0.2832, 0.2599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

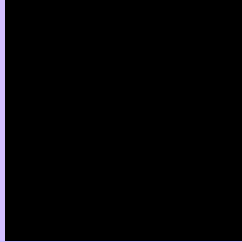
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3305, 0.2832, 0.2599**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3305, 0.2832, 0.2599.

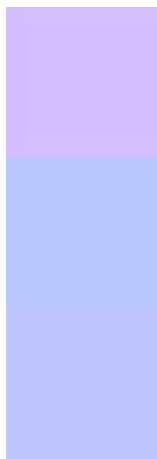


This preview shows how white text looks on a background with the Yxy color 58.3305, 0.2832, 0.2599.

# 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

58.3305, 0.2832, 0.2599

### Protanopia

58.5060, 0.2669, 0.2659

### Deuteranopia

58.4257, 0.2718, 0.2654



## Tritanopia

58.5393, 0.3058, 0.3116

# Trichromacy



## Original Color

58.3305, 0.2832, 0.2599

## Protanomaly

58.3020, 0.2725, 0.2635

## Deuteranomaly

58.4653, 0.2764, 0.2639

## Tritanomaly

58.4024, 0.2977, 0.2916

# Monochromacy



## Original Color

58.3305, 0.2832, 0.2599

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

59.4400, 0.3018, 0.3016

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3305, 0.2832, 0.2599 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(211, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 191, 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(211, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 191, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3305, 0.2832, 0.2599 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(211, 191, 255) }
```

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

```
.border{ border-color:rgb(211, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 191,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3305, 0.2832, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 191, 255) }
```

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

```
.background{ background-color: rgb(211,  
191, 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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