

# Converting Colors

Yxy(62.9836, 0.2911, 0.2923)

Have a look what the booklet for  
Yxy(62.9836, 0.2911, 0.2923)  
contains.

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# Color

**Yxy(62.9575, 0.2912, 0.2923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CECDEE
RGB	206, 205, 238
RGB Percent	81%, 80%, 93%
CMY	0.1920, 0.1961, 0.0668
CMYK	0.13, 0.14, 0.00, 0.07
HSL	242°, 49%, 87%
HSV	242°, 14%, 93%
XYZ	62.7206, 62.9575, 89.7085
YIQ	209.0610, -9.9970, 10.4750

# Conversions

## Conversions Part 2

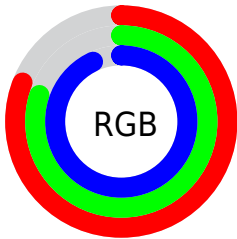
Format	Color
R <sub>Y</sub> B	206, 205, 238
Decimal	13553134
CIE Lab	83.42, 6.77, -16.08
CIE LCh	83, 17.448, 292.834
Yxy	62.9575, 0.2912, 0.2923
Android (android.graphics.Color)	4291743214 (0xFFCECDEE)
YUV	209.0610, 14.2669, -2.6845
Hunter-Lab	79.3458, 2.2441, -11.4914

# Details

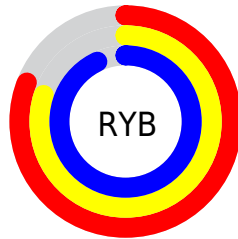
The Yxy color  $62.9575, 0.2912, 0.2923$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $83.5296, 0.3327, 0.3634$ , and the grayscale version is  $63.7161, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $32.1860, 0.2862, 0.2838$  is the 20% darker color. If you saturate the color by 10%, you get  $49.3670, 0.2732, 0.2618$ , and if you desaturate by 10%, it is  $78.7683, 0.3071, 0.3195$ .

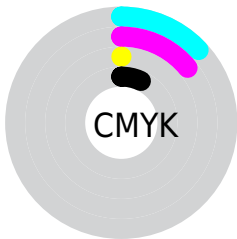
# Distribution



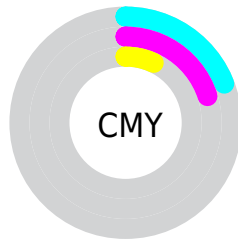
- Red (81%)
- Green (80%)
- Blue (93%)



- Red (81%)
- Yellow (80%)
- Blue (93%)



- Cyan (13%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (19%)
- Magenta (20%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9575, 0.2912, 0.2923 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 62.9575, 0.2912, 0.2923 by changing the saturation by 10% instead.



■ 62.9575, 0.2912,  
0.2923

■ 62.9575, 0.2912,  
0.2923

435.4152, 0.3015,  
0.3094

■ 45.8068, 0.2888,  
0.2884

109.1082, 0.2948,  
0.2983

■ 32.0934, 0.2858,  
0.2835

138.8770, 0.2962,  
0.3006

■ 21.4329, 0.2819,  
0.2773

173.6207, 0.2974,  
0.3025

■ 13.4408, 0.2767,  
0.2692

213.7235, 0.2984,  
0.3043

■ 7.7328, 0.2696,  
0.2582

259.5700, 0.2993,  
0.3058

■ 3.9244, 0.2589,  
0.2423

311.5446, 0.3001,

■ 1.6314, 0.2416,

0.3071

0.2175

370.0315, 0.3008,  
0.3083

0.3786, 0.2051,  
0.1478

0.0000, 0.0000,  
0.0000

62.9575, 0.2912,  
0.2923

62.9575, 0.2912,  
0.2923

49.3670, 0.2732,  
0.2618

78.7683, 0.3071,  
0.3195

37.8900, 0.2534,  
0.2284

96.8842, 0.3210,  
0.3432

28.4227, 0.2324,  
0.1931

98.9511, 0.3226,  
0.3454

20.8496, 0.2111,  
0.1577

■ 15.0431, 0.1911,  
0.1247

■ 10.8602, 0.1739,  
0.0967

■ 8.1357, 0.1610,  
0.0761

■ 6.6690, 0.1532,  
0.0642

■ 6.2194, 0.1507,  
0.0604

# Harmonies

## Analogous

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



62.9575, 0.2762, 0.2951



62.9575, 0.2912, 0.2923



62.9575, 0.3124, 0.2987

# Triad

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



62.9575, 0.2912, 0.2923



62.9575, 0.3566, 0.3488



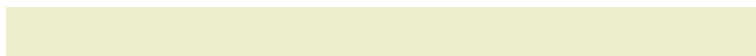
62.9575, 0.2908, 0.3463

# Complementary

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



62.9575, 0.2912, 0.2923



83.5296, 0.3327, 0.3634

# 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.



62.9575, 0.3118, 0.3622



62.9575, 0.2912, 0.2923



62.9575, 0.3501, 0.3628

# Square

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



62.9575, 0.2912, 0.2923



62.9575, 0.3508, 0.3304



62.9575, 0.3336, 0.3681



62.9575, 0.2760, 0.3257



# Rectangle

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



62.9575, 0.2912, 0.2923



62.9575, 0.3274, 0.3072



62.9575, 0.3336, 0.3681



62.9575, 0.2974, 0.3524

# Sweetspot

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



62.9601, 0.2912, 0.2923



91.8381, 0.3069, 0.3190



79.9603, 0.2916, 0.3283



19.3390, 0.3058, 0.3171



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.



62.9601, 0.2912, 0.2923



68.2805, 0.2856, 0.2829



65.3677, 0.3026, 0.2935



15.2525, 0.2984, 0.3046



3.4812, 0.1510, 0.0605



0.2979, 0.1535, 0.0619



# Inverse Universe

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



67.9436, 0.3150, 0.2958



75.3046, 0.3156, 0.2880



80.8990, 0.3217, 0.3646



16.0223, 0.3143, 0.3065



13.3481, 0.3289, 0.1586

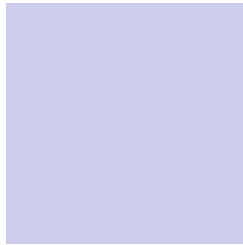


1.1131, 0.3278, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 62.9575, 0.2912, 0.2923 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

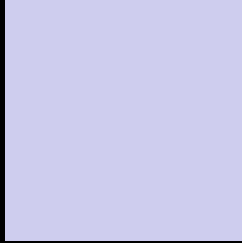
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9575, 0.2912, 0.2923 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

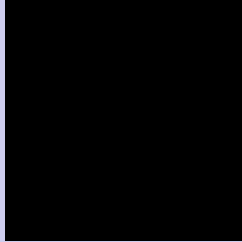
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.9575, 0.2912, 0.2923**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9575, 0.2912, 0.2923.



This preview shows how white text looks on a background with the Yxy color 62.9575, 0.2912, 0.2923.

# 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

62.9575, 0.2912, 0.2923

### Protanopia

62.9312, 0.2878, 0.2921

### Deuteranopia

63.0311, 0.2961, 0.2906



## Tritanopia

62.8448, 0.2989, 0.3096

# Trichromacy



## Original Color

62.9575, 0.2912, 0.2923

## Protanomaly

63.0711, 0.2885, 0.2921

## Deuteranomaly

63.0604, 0.2940, 0.2914

## Tritanomaly

62.7789, 0.2963, 0.3030

# Monochromacy



## Original Color

62.9575, 0.2912, 0.2923

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.6890, 0.3045, 0.3154

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9575, 0.2912, 0.2923 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(206, 205, 238)` looks like.

```
.text, #text, p{  
    color:rgb(206, 205, 238)  
}
```

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(206, 205, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 205, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9575, 0.2912, 0.2923 is called "border". The border property can be set on classes, ids or directly on the HTML element.

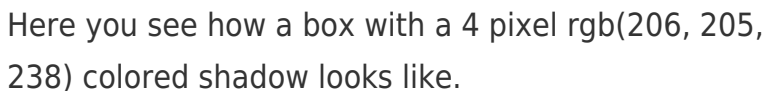
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 205, 238) }
```

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

```
.border{ border-color:rgb(206, 205, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 205, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 205, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 205, 238);  
box-shadow:4px 4px 4px 4px rgb(206, 205,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9575, 0.2912, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 205, 238) }
```

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

```
.background{ background-color: rgb(206,  
205, 238) }
```

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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