

# Converting Colors

$Yxy(58.2423, 0.2810, 0.2846)$

Have a look what the booklet for  
Yxy(58.2423, 0.2810, 0.2846)  
contains.

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# Color

**Yxy(58.2264, 0.2811, 0.2842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0C7EE
RGB	192, 199, 238
RGB Percent	75%, 78%, 93%
CMY	0.2470, 0.2196, 0.0668
CMYK	0.19, 0.16, 0.00, 0.07
HSL	231°, 57%, 84%
HSV	231°, 19%, 93%
XYZ	57.5913, 58.2264, 89.0606
YIQ	201.3530, -16.6910, 10.6450

# Conversions

## Conversions Part 2

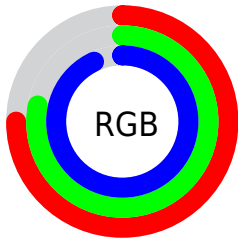
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	192, 198, 238
Decimal	12634094
CIE Lab	80.86, 5.58, -20.03
CIE LCh	81, 20.797, 285.565
Yxy	58.2264, 0.2811, 0.2842
Android (android.graphics.Color)	4290824174 (0xFFC0C7EE)
YUV	201.3530, 18.0670, -8.2026
Hunter-Lab	76.3062, 1.1850, -15.7858

# Details

The Yxy color  $58.2264, 0.2811, 0.2842$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $79.1090, 0.3431, 0.3702$ , and the grayscale version is  $58.5340, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.8797, 0.3090, 0.3290$ , and  $29.0315, 0.2730, 0.2728$  is the 20% darker color. If you saturate the color by 10%, you get  $46.6927, 0.2625, 0.2569$ , and if you desaturate by 10%, it is  $71.4977, 0.2982, 0.3087$ .

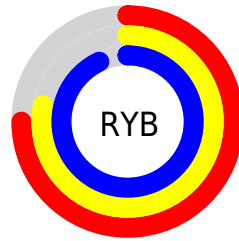
# Distribution



Red (75%)

Green (78%)

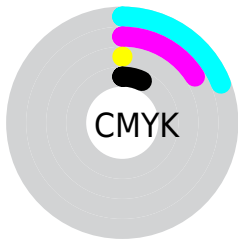
Blue (93%)



Red (75%)

Yellow (78%)

Blue (93%)

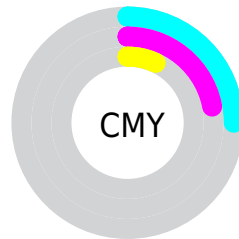


Cyan (19%)

Magenta (16%)

Yellow (0%)

Black (7%)



Cyan (25%)

Magenta (22%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2264, 0.2811, 0.2842 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 58.2264, 0.2811, 0.2842 by changing the saturation by 10% instead.



■ 58.2264, 0.2811,  
0.2842

■ 58.2264, 0.2811,  
0.2842

■ 418.0290, 0.2963,  
0.3053

■ 41.9907, 0.2775,  
0.2793

■ 102.2525, 0.2865,  
0.2916

■ 29.0940, 0.2730,  
0.2732

■ 130.8116, 0.2885,  
0.2945

■ 19.1519, 0.2672,  
0.2654

■ 164.2474, 0.2903,  
0.2969

■ 11.7801, 0.2595,  
0.2552

■ 202.9441, 0.2918,  
0.2990

■ 6.5941, 0.2487,  
0.2411

■ 247.2863, 0.2931,  
0.3009

■ 3.2096, 0.2326,  
0.2207

■ 297.6582, 0.2943,

■ 1.2421, 0.2067,

0.3025

0.1888

354.4443, 0.2953,  
0.3040

0.0957, 0.1174,  
0.0495

0.0000, 0.0000,  
0.0000

58.2264, 0.2811,  
0.2842

58.2264, 0.2811,  
0.2842

46.6927, 0.2625,  
0.2569

71.4977, 0.2982,  
0.3087

36.8173, 0.2428,  
0.2272

86.5673, 0.3137,  
0.3304

28.5253, 0.2227,  
0.1959

98.9507, 0.3226,  
0.3454

21.7333, 0.2031,  
0.1644

■ 16.3498, 0.1853,  
0.1343

■ 12.2734, 0.1706,  
0.1078

■ 9.3882, 0.1598,  
0.0865

■ 7.5433, 0.1534,  
0.0717

■ 7.4461, 0.1531,  
0.0709

# Harmonies

## Analogous

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



58.2264, 0.2655, 0.2901



58.2264, 0.2811, 0.2842



58.2264, 0.3055, 0.2895

# Triad

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



58.2264, 0.2811, 0.2842



58.2264, 0.3662, 0.3476



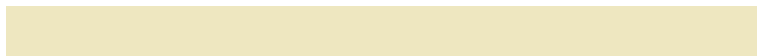
58.2264, 0.2916, 0.3559

# Complementary

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



58.2264, 0.2811, 0.2842



79.1090, 0.3431, 0.3702

# 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.



58.2264, 0.3180, 0.3730



58.2264, 0.2811, 0.2842



58.2264, 0.3617, 0.3667

# Square

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



58.2264, 0.2811, 0.2842



58.2264, 0.3555, 0.3250



58.2264, 0.3438, 0.3767



58.2264, 0.2714, 0.3309



# Rectangle

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



58.2264, 0.2811, 0.2842



58.2264, 0.3239, 0.2984



58.2264, 0.3438, 0.3767



58.2264, 0.3000, 0.3628

# Sweetspot

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



58.2288, 0.2811, 0.2842



89.2144, 0.3035, 0.3162



78.0640, 0.2880, 0.3374



18.8543, 0.3025, 0.3147



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.



58.2288, 0.2811, 0.2842



62.7986, 0.2742, 0.2742



57.1881, 0.2917, 0.2776



15.6171, 0.2980, 0.3083



4.2720, 0.1535, 0.0727



0.4719, 0.1591, 0.0928



# Inverse Universe

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



59.9987, 0.3451, 0.3215



65.3192, 0.3532, 0.3199



80.5636, 0.3310, 0.3788



15.7981, 0.3269, 0.3254



10.2246, 0.6188, 0.3183

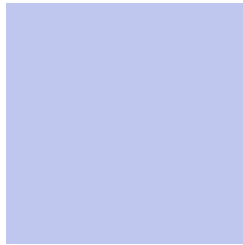


0.8624, 0.5868, 0.3006



# Previews

## White Background



This preview shows how the Yxy color 58.2264, 0.2811, 0.2842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

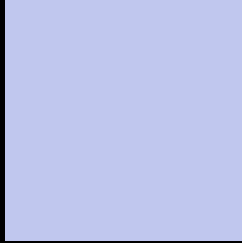
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2264, 0.2811, 0.2842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

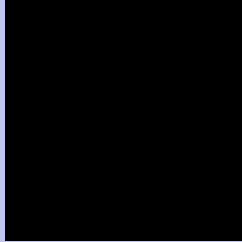
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.2264, 0.2811, 0.2842**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2264, 0.2811, 0.2842.



This preview shows how white text looks on a background with the Yxy color 58.2264, 0.2811, 0.2842.

# 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

58.2264, 0.2811, 0.2842

### Protanopia

58.3574, 0.2818, 0.2842

### Deuteranopia

58.1294, 0.2866, 0.2804



## Tritanopia

57.9944, 0.2913, 0.3099

# Trichromacy



## Original Color

58.2264, 0.2811, 0.2842

## Protanomaly

58.3574, 0.2818, 0.2842

## Deuteranomaly

58.1703, 0.2845, 0.2813

## Tritanomaly

58.0283, 0.2874, 0.3007

# Monochromacy



## Original Color

58.2264, 0.2811, 0.2842

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.1694, 0.3013, 0.3125

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2264, 0.2811, 0.2842 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(192, 199, 238)` looks like.

```
.text, #text, p{  
    color:rgb(192, 199, 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(192, 199, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 199, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2264, 0.2811, 0.2842 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(192, 199, 238) }
```

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

```
.border{ border-color:rgb(192, 199, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 199, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 199, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 199, 238);  
box-shadow:4px 4px 4px 4px rgb(192, 199,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2264, 0.2811, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 199, 238) }
```

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

```
.background{ background-color: rgb(192,  
199, 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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