

Converting Colors

$Y_{xy}(58.5808, 0.2858, 0.2877)$

Have a look what the booklet for
Yxy(58.5808, 0.2858, 0.2877)
contains.

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Color

Yxy(58.5808, 0.2858, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	C4C7EB
RGB	196, 199, 235
RGB Percent	77%, 78%, 92%
CMY	0.2312, 0.2196, 0.0784
CMYK	0.17, 0.15, 0.00, 0.08
HSL	235°, 49%, 85%
HSV	235°, 17%, 92%
XYZ	58.1939, 58.5808, 86.8429
YIQ	202.2070, -13.3440, 10.5600

Conversions

Conversions Part 2

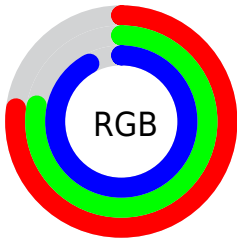
Format	Color
R _Y B	196, 199, 235
Decimal	12896235
CIE Lab	81.06, 6.21, -18.13
CIE LCh	81, 19.163, 288.895
Yxy	58.5808, 0.2858, 0.2877
Android (android.graphics.Color)	4291086315 (0xFFC4C7EB)
YUV	202.2070, 16.1669, -5.4435
Hunter-Lab	76.5381, 1.7766, -13.6959

Details

The Yxy color **58.5808, 0.2858, 0.2877** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.4038, 0.3381, 0.3672**, and the grayscale version is **59.1078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **29.2563, 0.2791, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **46.3794, 0.2672, 0.2586**, and if you desaturate by 10%, it is **72.7082, 0.3027, 0.3137**.

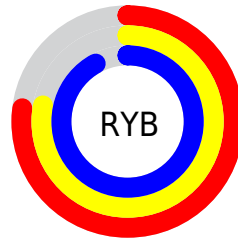
Distribution



Red (77%)

Green (78%)

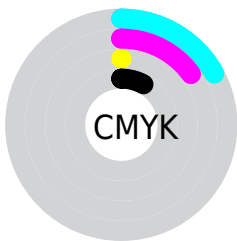
Blue (92%)



Red (77%)

Yellow (78%)

Blue (92%)

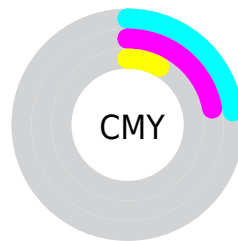


Cyan (17%)

Magenta (15%)

Yellow (0%)

Black (8%)



Cyan (23%)

Magenta (22%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5808, 0.2858, 0.2877 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 58.5808, 0.2858, 0.2877 by changing the saturation by 10% instead.

■ 58.5808, 0.2858,
0.2877

■ 58.5808, 0.2858,
0.2877

419.3467, 0.2987,
0.3072

■ 42.2758, 0.2827,
0.2832

102.7682, 0.2904,
0.2945

■ 29.3173, 0.2789,
0.2776

131.4193, 0.2921,
0.2972

■ 19.3210, 0.2739,
0.2704

164.9545, 0.2936,
0.2994

■ 11.9024, 0.2672,
0.2609

203.7583, 0.2949,
0.3014

■ 6.6773, 0.2579,
0.2479

248.2150, 0.2961,
0.3031

■ 3.2611, 0.2439,
0.2289

298.7090, 0.2971,

■ 1.2695, 0.2209,

0.3046

0.1990

355.6248, 0.2980,
0.3060

0.1174, 0.1427,
0.0637

0.0000, 0.0000,
0.0000

58.5808, 0.2858,
0.2877

58.5808, 0.2858,
0.2877

46.3794, 0.2672,
0.2586

72.7082, 0.3027,
0.3137

36.0136, 0.2471,
0.2269

88.8323, 0.3176,
0.3365

27.3966, 0.2262,
0.1934

98.7787, 0.3244,
0.3483

20.4317, 0.2055,
0.1598

■ 15.0131, 0.1865,
0.1281

■ 11.0221, 0.1707,
0.1007

■ 8.3231, 0.1591,
0.0798

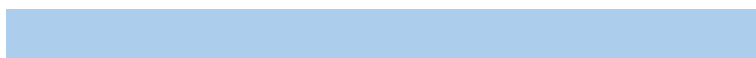
■ 6.7530, 0.1525,
0.0667

■ 6.4226, 0.1511,
0.0638

Harmonies

Analogous

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



58.5808, 0.2703, 0.2920



58.5808, 0.2858, 0.2877



58.5808, 0.3090, 0.2936

Triad

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



58.5808, 0.2858, 0.2877



58.5808, 0.3621, 0.3485



58.5808, 0.2909, 0.3513

Complementary

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



58.5808, 0.2858, 0.2877



79.4038, 0.3381, 0.3672

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.



58.5808, 0.3149, 0.3681



58.5808, 0.2858, 0.2877



58.5808, 0.3565, 0.3653

Square

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



58.5808, 0.2858, 0.2877



58.5808, 0.3537, 0.3277



58.5808, 0.3390, 0.3730



58.5808, 0.2731, 0.3282

Rectangle

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



58.5808, 0.2858, 0.2877



58.5808, 0.3259, 0.3024



58.5808, 0.3390, 0.3730



58.5808, 0.2985, 0.3580

Sweetspot

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



58.5832, 0.2858, 0.2877



90.3696, 0.3051, 0.3174



76.9768, 0.2895, 0.3325



19.0636, 0.3040, 0.3157



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.



58.5832, 0.2858, 0.2877



65.0948, 0.2794, 0.2778



59.5404, 0.2975, 0.2858



14.7314, 0.2980, 0.3065



3.6432, 0.1514, 0.0649



0.3498, 0.1549, 0.0775

Inverse Universe

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



61.2893, 0.3420, 0.3259



68.9923, 0.3497, 0.3252



78.4348, 0.3261, 0.3717



15.0725, 0.3281, 0.3273



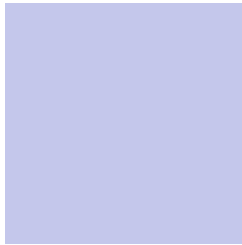
9.8606, 0.6318, 0.3254



0.7807, 0.6110, 0.3140

Previews

White Background



This preview shows how the Yxy color 58.5808, 0.2858, 0.2877 looks on a white background.

Color Contrast Check

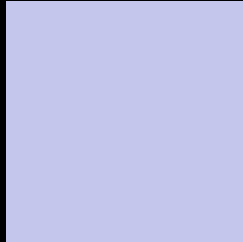
Large Text (above 18pt) WCAG AA × Fail

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 58.5808, 0.2858, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

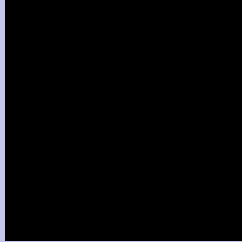
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5808, 0.2858, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 58.5808, 0.2858, 0.2877.



This preview shows how white text looks on a background with the Yxy color 58.5808, 0.2858, 0.2877.

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

58.5808, 0.2858, 0.2877

Protanopia

58.3143, 0.2844, 0.2876

Deuteranopia

58.3734, 0.2907, 0.2839



Tritanopia

58.6405, 0.2949, 0.3101

Trichromacy



Original Color

58.5808, 0.2858, 0.2877

Protanomaly

58.4471, 0.2851, 0.2876

Deuteranomaly

58.4061, 0.2886, 0.2848

Tritanomaly

58.6244, 0.2916, 0.3021

Monochromacy



Original Color

58.5808, 0.2858, 0.2877

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.9077, 0.3028, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5808, 0.2858, 0.2877 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(196, 199, 235)` looks like.

```
.text, #text, p{  
    color:rgb(196, 199, 235)  
}
```

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(196, 199, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 199, 235) }
```

Border

The CSS property to change the border of an element to Yxy 58.5808, 0.2858, 0.2877 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(196, 199, 235) }
```

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

```
.border{ border-color:rgb(196, 199, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 199, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 199, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 199, 235);  
box-shadow:4px 4px 4px 4px rgb(196, 199,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5808, 0.2858, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 199, 235) }
```

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

```
.background{ background-color: rgb(196,  
199, 235) }
```

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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