

Converting Colors

$Yxy(63.8128, 0.2711, 0.2819)$

Have a look what the booklet for
Yxy(63.8128, 0.2711, 0.2819)
contains.

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Color

Yxy(63.8128, 0.2711, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	BCD2FC
RGB	188, 210, 252
RGB Percent	74%, 82%, 99%
CMY	0.2625, 0.1765, 0.0117
CMYK	0.25, 0.17, 0.00, 0.01
HSL	219°, 91%, 86%
HSV	219°, 25%, 99%
XYZ	61.3680, 63.8128, 101.1860
YIQ	208.2100, -26.5940, 8.3980

Conversions

Conversions Part 2

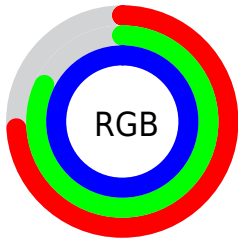
Format	Color
R _Y B	188, 204, 252
Decimal	12374780
CIE Lab	83.87, 1.69, -22.99
CIE LCh	84, 23.047, 274.198
Yxy	63.8128, 0.2711, 0.2819
Android (android.graphics.Color)	4290564860 (0xFFBCD2FC)
YUV	208.2100, 21.5885, -17.7242
Hunter-Lab	79.8829, -2.6670, -19.1833

Details

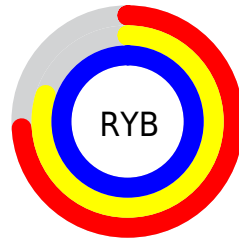
The Yxy color **63.8128, 0.2711, 0.2819** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9709, 0.3563, 0.3720**, and the grayscale version is **63.0978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **32.7854, 0.2617, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **53.1302, 0.2533, 0.2597**, and if you desaturate by 10%, it is **75.9056, 0.2883, 0.3021**.

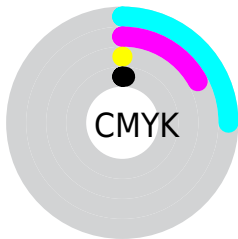
Distribution



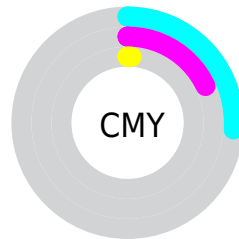
- Red (74%)
- Green (82%)
- Blue (99%)



- Red (74%)
- Yellow (80%)
- Blue (99%)



- Cyan (25%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)



- Cyan (26%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8128, 0.2711, 0.2819 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 63.8128, 0.2711, 0.2819 by changing the saturation by 10% instead.

■ 63.8128, 0.2711,
0.2819

■ 63.8128, 0.2711,
0.2819

438.5133, 0.2906,
0.3039

■ 46.4991, 0.2666,
0.2769

■ 110.3413, 0.2779,
0.2895

■ 32.6398, 0.2611,
0.2707

140.3248, 0.2805,
0.2925

■ 21.8507, 0.2540,
0.2628

175.3005, 0.2828,
0.2950

■ 13.7472, 0.2448,
0.2526

215.6525, 0.2848,
0.2973

■ 7.9451, 0.2323,
0.2387

261.7655, 0.2865,
0.2992

■ 4.0598, 0.2144,
0.2190

314.0236, 0.2880,

■ 1.7071, 0.1871,

0.3009

0.1893

372.8115, 0.2894,
0.3025

0.4282, 0.1307,
0.1249

0.0000, 0.0000,
0.0000

63.8128, 0.2711,
0.2819

63.8128, 0.2711,
0.2819

53.1302, 0.2533,
0.2597

75.9056, 0.2883,
0.3021

43.7953, 0.2352,
0.2358

89.4523, 0.3045,
0.3201

35.7523, 0.2176,
0.2106

99.8090, 0.3144,
0.3318

28.9378, 0.2011,
0.1850

■ 23.2822, 0.1866,
0.1599

■ 18.7074, 0.1748,
0.1364

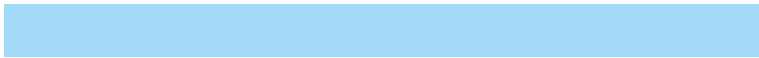
■ 15.1221, 0.1662,
0.1157

■ 13.7503, 0.1631,
0.1071

Harmonies

Analogous

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



63.8128, 0.2591, 0.2926



63.8128, 0.2711, 0.2819



63.8128, 0.2942, 0.2832

Triad

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



63.8128, 0.2711, 0.2819



63.8128, 0.3677, 0.3397



63.8128, 0.3003, 0.3664

Complementary

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



63.8128, 0.2711, 0.2819



80.9709, 0.3563, 0.3720

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.



63.8128, 0.3294, 0.3798



63.8128, 0.2711, 0.2819



63.8128, 0.3691, 0.3624

Square

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



63.8128, 0.2711, 0.2819



63.8128, 0.3507, 0.3156



63.8128, 0.3548, 0.3777



63.8128, 0.2754, 0.3416

Rectangle

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



63.8128, 0.2711, 0.2819



63.8128, 0.3134, 0.2903



63.8128, 0.3548, 0.3777



63.8128, 0.3099, 0.3725

Sweetspot

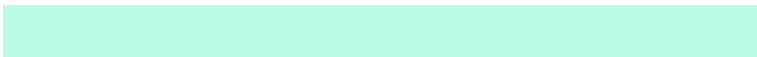
The Sweet Spot groups the original color and five complimentary colors.



63.8154, 0.2711, 0.2819



88.0775, 0.3003, 0.3156



86.0189, 0.2868, 0.3535



18.3959, 0.2979, 0.3129



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.



63.8154, 0.2711, 0.2819



60.2781, 0.2629, 0.2718



54.9800, 0.2754, 0.2577



17.6160, 0.2979, 0.3130



7.4076, 0.1639, 0.1101



0.8748, 0.1705, 0.1337

Inverse Universe

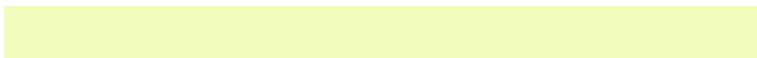
The Inverse Universe completely reimagines the original color for something new.



61.3424, 0.3485, 0.3063



57.6949, 0.3572, 0.3020



92.2123, 0.3447, 0.3940



17.3234, 0.3240, 0.3209



11.1587, 0.5608, 0.2863



1.0525, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 63.8128, 0.2711, 0.2819 looks on a white background.

Color Contrast Check

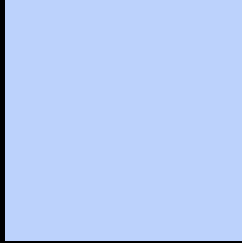
Large Text (above 18pt) WCAG AA × Fail

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 63.8128, 0.2711, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

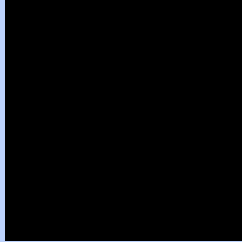
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

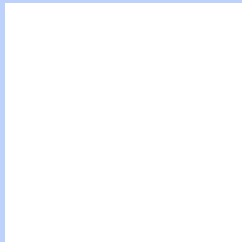
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8128, 0.2711, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 63.8128, 0.2711, 0.2819.



This preview shows how white text looks on a background with the Yxy color 63.8128, 0.2711, 0.2819.

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

63.8128, 0.2711, 0.2819

Protanopia

63.8071, 0.2797, 0.2816

Deuteranopia

63.5430, 0.2824, 0.2758



Tritanopia

64.0530, 0.2811, 0.3092

Trichromacy



Original Color

63.8128, 0.2711, 0.2819

Protanomaly

63.8125, 0.2766, 0.2813

Deuteranomaly

63.5138, 0.2779, 0.2774

Tritanomaly

64.1348, 0.2769, 0.2991

Monochromacy



Original Color

63.8128, 0.2711, 0.2819

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.4003, 0.2968, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8128, 0.2711, 0.2819 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(188, 210, 252)` looks like.

```
.text, #text, p{  
    color:rgb(188, 210, 252)  
}
```

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(188, 210, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 210, 252) }
```

Border

The CSS property to change the border of an element to Yxy 63.8128, 0.2711, 0.2819 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(188, 210, 252) }
```

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

```
.border{ border-color:rgb(188, 210, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 210, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 210, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 210, 252);  
box-shadow:4px 4px 4px 4px rgb(188, 210,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8128, 0.2711, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 210, 252) }
```

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

```
.background{ background-color: rgb(188,  
210, 252) }
```

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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