

Converting Colors

$Yxy(50.8130, 0.2709, 0.2640)$

Have a look what the booklet for
Yxy(50.8130, 0.2709, 0.2640)
contains.

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Color

Yxy(50.8130, 0.2709, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	B5B9F0
RGB	181, 185, 240
RGB Percent	71%, 73%, 94%
CMY	0.2901, 0.2745, 0.0587
CMYK	0.25, 0.23, 0.00, 0.06
HSL	236°, 66%, 83%
HSV	236°, 25%, 94%
XYZ	52.1411, 50.8130, 89.5194
YIQ	190.0740, -20.0390, 16.2570

Conversions

Conversions Part 2

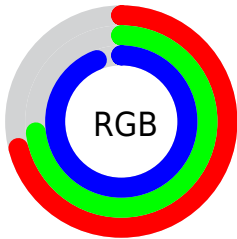
Format	Color
RYB	181, 185, 240
Decimal	11909616
CIELab	76.57, 10.32, -27.77
CIELCh	77, 29.622, 290.386
Yxy	50.8130, 0.2709, 0.2640
Android (android.graphics.Color)	4290099696 (0xFFB5B9F0)
YUV	190.0740, 24.6135, -7.9579
Hunter-Lab	71.2832, 5.8205, -24.5597

Details

The Yxy color **50.8130, 0.2709, 0.2640** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.8962, 0.3508, 0.3866**, and the grayscale version is **51.4055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3077, 0.3025, 0.3151**, and **24.4752, 0.2595, 0.2476** is the 20% darker color. If you saturate the color by 10%, you get **39.5170, 0.2510, 0.2324**, and if you desaturate by 10%, it is **64.0881, 0.2893, 0.2928**.

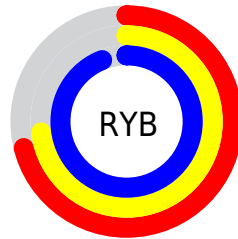
Distribution



Red (71%)

Green (73%)

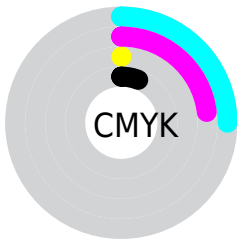
Blue (94%)



Red (71%)

Yellow (73%)

Blue (94%)

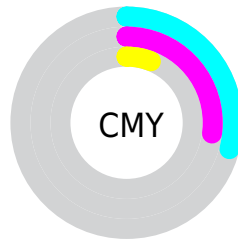


Cyan (25%)

Magenta (23%)

Yellow (0%)

Black (6%)



Cyan (29%)

Magenta (27%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8130, 0.2709, 0.2640 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 50.8130, 0.2709, 0.2640 by changing the saturation by 10% instead.

■ 50.8130, 0.2709,
0.2640

■ 50.8130, 0.2709,
0.2640

■ 389.8368, 0.2914,
0.2949

■ 36.0598, 0.2659,
0.2568

■ 91.3783, 0.2782,
0.2748

■ 24.4804, 0.2597,
0.2479

■ 117.9592, 0.2810,
0.2790

■ 15.6904, 0.2516,
0.2365

■ 149.2514, 0.2834,
0.2826

■ 9.3053, 0.2407,
0.2215

■ 185.6394, 0.2855,
0.2857

■ 4.9409, 0.2253,
0.2012

■ 227.5076, 0.2872,
0.2884

■ 2.2126, 0.2024,
0.1721

■ 275.2403, 0.2888,

■ 0.7269, 0.1659,

0.2908

0.1274

329.2219, 0.2902,
0.2929

0.0000, 0.0000,
0.0000

50.8130, 0.2709,
0.2640

50.8130, 0.2709,
0.2640

39.5170, 0.2510,
0.2324

64.0881, 0.2893,
0.2928

30.0995, 0.2300,
0.1989

79.4243, 0.3058,
0.3184

22.4603, 0.2092,
0.1648

96.9064, 0.3204,
0.3408

16.4873, 0.1897,
0.1324

99.0730, 0.3214,
0.3434

12.0559, 0.1730,
0.1041

■ 9.0237, 0.1606,
0.0821

■ 7.2215, 0.1532,
0.0678

■ 6.6673, 0.1509,
0.0632

Harmonies

Analogous

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



50.8130, 0.2462, 0.2689



50.8130, 0.2709, 0.2640



50.8130, 0.3080, 0.2743

Triad

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



50.8130, 0.2709, 0.2640



50.8130, 0.3932, 0.3601



50.8130, 0.2754, 0.3640

Complementary

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



50.8130, 0.2709, 0.2640



81.8962, 0.3508, 0.3866

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.



50.8130, 0.3133, 0.3933



50.8130, 0.2709, 0.2640



50.8130, 0.3823, 0.3876

Square

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



50.8130, 0.2709, 0.2640



50.8130, 0.3808, 0.3274



50.8130, 0.3525, 0.4012



50.8130, 0.2486, 0.3247

Rectangle

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



50.8130, 0.2709, 0.2640



50.8130, 0.3355, 0.2882



50.8130, 0.3525, 0.4012



50.8130, 0.2872, 0.3756

Sweetspot

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



50.8150, 0.2709, 0.2640



86.6029, 0.3019, 0.3124



78.1691, 0.2791, 0.3344



18.3015, 0.3010, 0.3109



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.



50.8150, 0.2709, 0.2640



52.1751, 0.2621, 0.2501



52.4189, 0.2887, 0.2627



15.3991, 0.2979, 0.3062



3.7150, 0.1512, 0.0642



0.3683, 0.1542, 0.0750

Inverse Universe

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



55.0923, 0.3610, 0.3248



57.8740, 0.3730, 0.3240



80.1891, 0.3325, 0.3941



15.7761, 0.3283, 0.3275



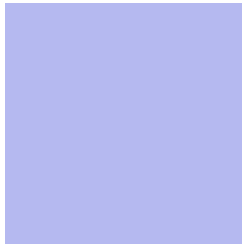
10.1684, 0.6329, 0.3260



0.8519, 0.6150, 0.3162

Previews

White Background



This preview shows how the Yxy color 50.8130, 0.2709, 0.2640 looks on a white background.

Color Contrast Check

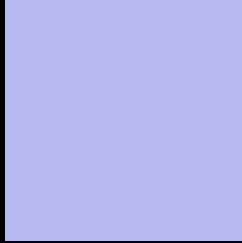
Large Text (above 18pt) WCAG AA × Fail

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 50.8130, 0.2709, 0.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

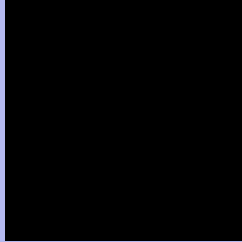
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8130, 0.2709, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 50.8130, 0.2709, 0.2640.



This preview shows how white text looks on a background with the Yxy color 50.8130, 0.2709, 0.2640.

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

50.8130, 0.2709, 0.2640

Protanopia

51.0055, 0.2664, 0.2647

Deuteranopia

50.6925, 0.2702, 0.2639



Tritanopia

50.7165, 0.2886, 0.3099

Trichromacy



Original Color

50.8130, 0.2709, 0.2640

Protanomaly

50.8158, 0.2676, 0.2637

Deuteranomaly

50.6925, 0.2702, 0.2639

Tritanomaly

50.8043, 0.2826, 0.2931

Monochromacy



Original Color

50.8130, 0.2709, 0.2640

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.0853, 0.2971, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8130, 0.2709, 0.2640 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(181, 185, 240)` looks like.

```
.text, #text, p{  
    color:rgb(181, 185, 240)  
}
```

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(181, 185, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 185, 240) }
```

Border

The CSS property to change the border of an element to Yxy 50.8130, 0.2709, 0.2640 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(181, 185, 240) }
```

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

```
.border{ border-color:rgb(181, 185, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 185, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 185, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 185, 240);  
box-shadow:4px 4px 4px 4px rgb(181, 185,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8130, 0.2709, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 185, 240) }
```

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

```
.background{ background-color: rgb(181,  
185, 240) }
```

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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