

Converting Colors

Yxy(50.2574, 0.2799, 0.2815)

Have a look what the booklet for
Yxy(50.2574, 0.2799, 0.2815)
contains.

Yxy(50.2574, 0.2799, 0.2815)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2574, 0.2799, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	B4BAE1
RGB	180, 186, 225
RGB Percent	71%, 73%, 88%
CMY	0.2941, 0.2706, 0.1176
CMYK	0.20, 0.17, 0.00, 0.12
HSL	232°, 43%, 79%
HSV	232°, 20%, 88%
XYZ	49.9717, 50.2574, 78.3051
YIQ	188.6520, -16.0950, 10.8570

Conversions

Conversions Part 2

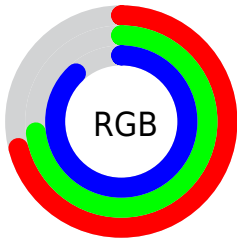
Format	Color
RYB	180, 185, 225
Decimal	11844321
CIELab	76.23, 6.02, -20.18
CIELCh	76, 21.054, 286.618
Yxy	50.2574, 0.2799, 0.2815
Android (android.graphics.Color)	4290034401 (0xFFB4BAE1)
YUV	188.6520, 17.9196, -7.5878
Hunter-Lab	70.8925, 1.7620, -15.8648

Details

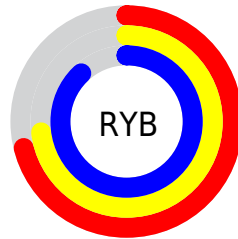
The Yxy color **50.2574, 0.2799, 0.2815** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.9668, 0.3440, 0.3724**, and the grayscale version is **50.5836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5571, 0.3012, 0.3160**, and **24.1894, 0.2711, 0.2688** is the 20% darker color. If you saturate the color by 10%, you get **40.1120, 0.2611, 0.2535**, and if you desaturate by 10%, it is **61.9662, 0.2972, 0.3067**.

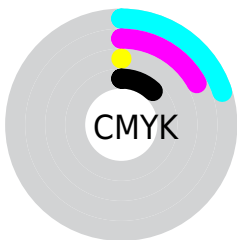
Distribution



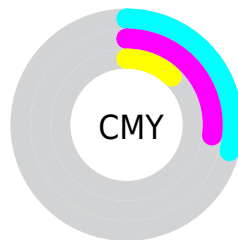
- Red (71%)
- Green (73%)
- Blue (88%)



- Red (71%)
- Yellow (73%)
- Blue (88%)



- Cyan (20%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (29%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2574, 0.2799, 0.2815 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 50.2574, 0.2799, 0.2815 by changing the saturation by 10% instead.

■ 50.2574, 0.2799,
0.2815

■ 50.2574, 0.2799,
0.2815

387.6717, 0.2961,
0.3044

■ 35.6180, 0.2760,
0.2760

■ 90.5561, 0.2857,
0.2896

■ 24.1393, 0.2710,
0.2692

116.9842, 0.2879,
0.2928

■ 15.4370, 0.2644,
0.2603

148.1106, 0.2898,
0.2954

■ 9.1266, 0.2556,
0.2484

184.3198, 0.2914,
0.2977

■ 4.8239, 0.2428,
0.2317

225.9961, 0.2928,
0.2997

■ 2.1443, 0.2232,
0.2067

273.5239, 0.2940,

■ 0.6894, 0.1903,

0.3015

0.1635

327.2876, 0.2951,
0.3030

0.0000, 0.0000,
0.0000

50.2574, 0.2799,
0.2815

50.2574, 0.2799,
0.2815

40.1120, 0.2611,
0.2535

61.9662, 0.2972,
0.3067

31.4575, 0.2413,
0.2231

75.2945, 0.3127,
0.3290

24.2252, 0.2210,
0.1913

90.3032, 0.3266,
0.3485

18.3381, 0.2014,
0.1594

98.2166, 0.3303,
0.3582

13.7119, 0.1836,
0.1293

■ 10.2529, 0.1691,
0.1032

■ 7.8533, 0.1587,
0.0828

■ 6.3667, 0.1525,
0.0691

Harmonies

Analogous

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



50.2574, 0.2630, 0.2872



50.2574, 0.2799, 0.2815



50.2574, 0.3060, 0.2875

Triad

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



50.2574, 0.2799, 0.2815



50.2574, 0.3697, 0.3494



50.2574, 0.2894, 0.3568

Complementary

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



50.2574, 0.2799, 0.2815



69.9668, 0.3440, 0.3724

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.



50.2574, 0.3173, 0.3755



50.2574, 0.2799, 0.2815



50.2574, 0.3643, 0.3696

Square

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



50.2574, 0.2799, 0.2815



50.2574, 0.3589, 0.3255



50.2574, 0.3449, 0.3798



50.2574, 0.2683, 0.3300

Rectangle

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



50.2574, 0.2799, 0.2815



50.2574, 0.3256, 0.2971



50.2574, 0.3449, 0.3798



50.2574, 0.2982, 0.3644

Sweetspot

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



50.2594, 0.2799, 0.2815



89.0436, 0.3035, 0.3159



68.6325, 0.2868, 0.3369



18.8141, 0.3025, 0.3144



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.



50.2594, 0.2799, 0.2815



60.8889, 0.2723, 0.2702



49.7806, 0.2915, 0.2758



13.5367, 0.2981, 0.3080



3.7647, 0.1530, 0.0707



0.3575, 0.1591, 0.0928

Inverse Universe

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



52.1956, 0.3471, 0.3222



64.0173, 0.3564, 0.3207



70.7417, 0.3311, 0.3806



13.7302, 0.3271, 0.3259



9.2881, 0.6221, 0.3201



0.6535, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 50.2574, 0.2799, 0.2815 looks on a white background.

Color Contrast Check

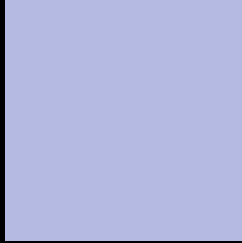
Large Text (above 18pt) WCAG AA × Fail

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 50.2574, 0.2799, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

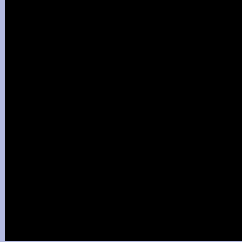
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2574, 0.2799, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 50.2574, 0.2799, 0.2815.



This preview shows how white text looks on a background with the Yxy color 50.2574, 0.2799, 0.2815.

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

50.2574, 0.2799, 0.2815

Protanopia

50.2574, 0.2799, 0.2815

Deuteranopia

50.2820, 0.2850, 0.2797



Tritanopia

50.4648, 0.2908, 0.3100

Trichromacy



Original Color

50.2574, 0.2799, 0.2815

Protanomaly

50.2574, 0.2799, 0.2815

Deuteranomaly

50.3245, 0.2828, 0.2807

Tritanomaly

50.4958, 0.2866, 0.3002

Monochromacy



Original Color

50.2574, 0.2799, 0.2815

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.6698, 0.3006, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2574, 0.2799, 0.2815 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(180, 186, 225)` looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 225)  
}
```

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(180, 186, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 225) }
```

Border

The CSS property to change the border of an element to Yxy 50.2574, 0.2799, 0.2815 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(180, 186, 225) }
```

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

```
.border{ border-color:rgb(180, 186, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 225);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2574, 0.2799, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 225) }
```

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

```
.background{ background-color: rgb(180,  
186, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor