

Converting Colors

$Y_{xy}(48.8566, 0.2810, 0.2799)$

Have a look what the booklet for
Yxy(48.8566, 0.2810, 0.2799)
contains.

Yxy(48.8980, 0.2810, 0.2800)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.8980, 0.2810, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	B4B7DF
RGB	180, 183, 223
RGB Percent	71%, 72%, 87%
CMY	0.2942, 0.2823, 0.1255
CMYK	0.19, 0.18, 0.00, 0.13
HSL	236°, 40%, 79%
HSV	236°, 19%, 87%
XYZ	49.0726, 48.8980, 76.6651
YIQ	186.6630, -14.6280, 11.8040

Conversions

Conversions Part 2

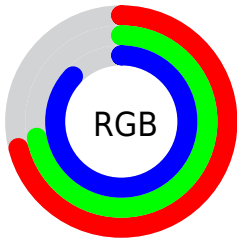
Format	Color
RYB	180, 183, 223
Decimal	11843551
CIELab	75.39, 7.20, -20.36
CIELCh	75, 21.599, 289.482
Yxy	48.8980, 0.2810, 0.2800
Android (android.graphics.Color)	4290033631 (0xFFB4B7DF)
YUV	186.6630, 17.9141, -5.8435
Hunter-Lab	69.9271, 2.8932, -16.0540

Details

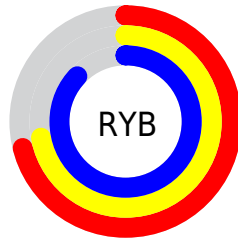
The Yxy color **48.8980, 0.2810, 0.2800** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.1596, 0.3423, 0.3737**, and the grayscale version is **49.3979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7859, 0.3012, 0.3130**, and **23.3044, 0.2724, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **38.5027, 0.2620, 0.2501**, and if you desaturate by 10%, it is **60.9877, 0.2983, 0.3069**.

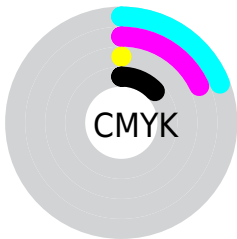
Distribution



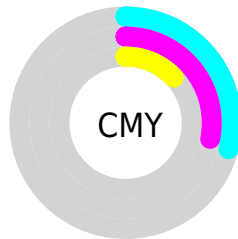
- Red (71%)
- Green (72%)
- Blue (87%)



- Red (71%)
- Yellow (72%)
- Blue (87%)



- Cyan (19%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (29%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8980, 0.2810, 0.2800 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 48.8980, 0.2810, 0.2800 by changing the saturation by 10% instead.

■ 48.8980, 0.2810,
0.2800

■ 48.8980, 0.2810,
0.2800

382.3406, 0.2967,
0.3037

■ 34.5386, 0.2771,
0.2743

■ 88.5399, 0.2867,
0.2884

■ 23.3077, 0.2722,
0.2672

114.5912, 0.2888,
0.2916

■ 14.8208, 0.2658,
0.2580

145.3086, 0.2906,
0.2944

■ 8.6937, 0.2570,
0.2456

181.0765, 0.2922,
0.2968

■ 4.5420, 0.2442,
0.2282

222.2792, 0.2935,
0.2988

■ 1.9811, 0.2244,
0.2021

269.3012, 0.2947,

■ 0.5965, 0.1909,

0.3007

0.1533

322.5269, 0.2958,
0.3023

0.0000, 0.0000,
0.0000

48.8980, 0.2810,
0.2800

48.8980, 0.2810,
0.2800

38.5027, 0.2620,
0.2501

60.9877, 0.2983,
0.3069

29.7205, 0.2416,
0.2177

74.8366, 0.3138,
0.3306

22.4722, 0.2207,
0.1840

90.5133, 0.3273,
0.3512

16.6695, 0.2003,
0.1506

98.1079, 0.3315,
0.3601

12.2154, 0.1820,
0.1198

■ 9.0006, 0.1672,
0.0940

■ 6.8987, 0.1569,
0.0753

■ 5.7433, 0.1513,
0.0642

■ 5.6886, 0.1510,
0.0636

Harmonies

Analogous

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



48.8980, 0.2625, 0.2846



48.8980, 0.2810, 0.2800



48.8980, 0.3087, 0.2873

Triad

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



48.8980, 0.2810, 0.2800



48.8980, 0.3719, 0.3523



48.8980, 0.2860, 0.3554

Complementary

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



48.8980, 0.2810, 0.2800



70.1596, 0.3423, 0.3737

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.



48.8980, 0.3145, 0.3760



48.8980, 0.2810, 0.2800



48.8980, 0.3648, 0.3725

Square

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



48.8980, 0.2810, 0.2800



48.8980, 0.3623, 0.3277



48.8980, 0.3435, 0.3819



48.8980, 0.2653, 0.3273

Rectangle

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



48.8980, 0.2810, 0.2800



48.8980, 0.3289, 0.2978



48.8980, 0.3435, 0.3819



48.8980, 0.2950, 0.3635

Sweetspot

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



48.9000, 0.2810, 0.2800



88.4701, 0.3035, 0.3149



67.6151, 0.2860, 0.3331



18.6791, 0.3025, 0.3133



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.



48.9000, 0.2810, 0.2800



60.5293, 0.2738, 0.2687



49.9585, 0.2947, 0.2783



13.3971, 0.2981, 0.3065



3.4044, 0.1513, 0.0647



0.2910, 0.1550, 0.0778

Inverse Universe

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



51.7448, 0.3480, 0.3256



65.0901, 0.3571, 0.3249



69.0620, 0.3283, 0.3790



13.7161, 0.3281, 0.3274



9.2517, 0.6322, 0.3256



0.6468, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 48.8980, 0.2810, 0.2800 looks on a white background.

Color Contrast Check

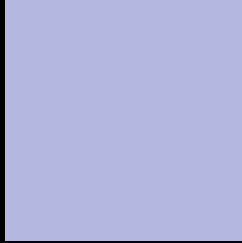
Large Text (above 18pt) WCAG AA × Fail

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 48.8980, 0.2810, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

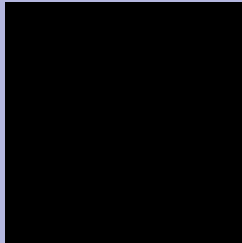
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8980, 0.2810, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 48.8980, 0.2810, 0.2800.



This preview shows how white text looks on a background with the Yxy color 48.8980, 0.2810, 0.2800.

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

48.8980, 0.2810, 0.2800

Protanopia

49.0099, 0.2782, 0.2798

Deuteranopia

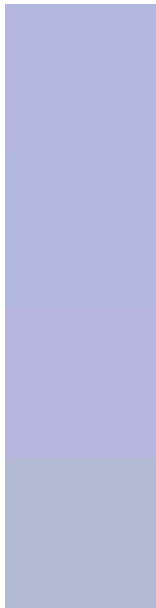
48.6897, 0.2847, 0.2780



Tritanopia

49.0350, 0.2928, 0.3098

Trichromacy



Original Color

48.8980, 0.2810, 0.2800

Protanomaly

49.1278, 0.2789, 0.2799

Deuteranomaly

48.8509, 0.2832, 0.2791

Tritanomaly

49.1181, 0.2879, 0.2988

Monochromacy



Original Color

48.8980, 0.2810, 0.2800

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4783, 0.3005, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8980, 0.2810, 0.2800 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, 183, 223)` looks like.

```
.text, #text, p{  
    color:rgb(180, 183, 223)  
}
```

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, 183, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 183, 223) }
```

Border

The CSS property to change the border of an element to Yxy 48.8980, 0.2810, 0.2800 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, 183, 223) }
```

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

```
.border{ border-color:rgb(180, 183, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 183, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 183, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 183, 223);  
box-shadow:4px 4px 4px 4px rgb(180, 183,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8980, 0.2810, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 183, 223) }
```

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

```
.background{ background-color: rgb(180,  
183, 223) }
```

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