

Converting Colors

$Yxy(49.8872, 0.2861, 0.2906)$

Have a look what the booklet for
Yxy(49.8872, 0.2861, 0.2906)
contains.

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Color

Yxy(49.9513, 0.2860, 0.2908)

Conversions

Conversions Part 1

Format	Color
Hex	B5BAD9
RGB	181, 186, 217
RGB Percent	71%, 73%, 85%
CMY	0.2905, 0.2705, 0.1490
CMYK	0.17, 0.14, 0.00, 0.15
HSL	232°, 32%, 78%
HSV	232°, 17%, 85%
XYZ	49.1268, 49.9513, 72.6939
YIQ	188.0390, -12.9310, 8.5810

Conversions

Conversions Part 2

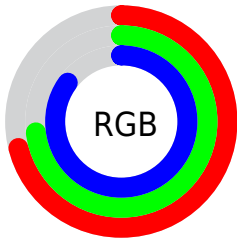
Format	Color
RYB	181, 185, 217
Decimal	11909849
CIELab	76.04, 4.54, -16.11
CIELCh	76, 16.740, 285.745
Yxy	49.9513, 0.2860, 0.2908
Android (android.graphics.Color)	4290099929 (0xFFB5BAD9)
YUV	188.0390, 14.2778, -6.1732
Hunter-Lab	70.6762, 0.3913, -11.5093

Details

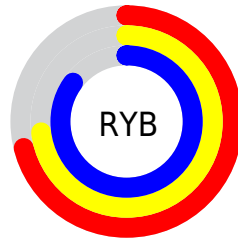
The Yxy color **49.9513, 0.2860, 0.2908** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.1237, 0.3385, 0.3645**, and the grayscale version is **50.2313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7288, 0.3018, 0.3161**, and **23.9729, 0.2790, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **40.1843, 0.2678, 0.2640**, and if you desaturate by 10%, it is **61.1550, 0.3026, 0.3147**.

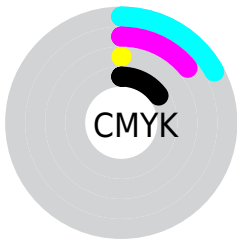
Distribution



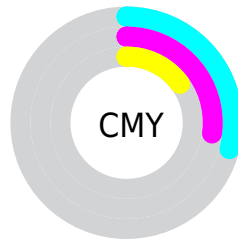
- Red (71%)
- Green (73%)
- Blue (85%)



- Red (71%)
- Yellow (73%)
- Blue (85%)



- Cyan (17%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (29%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9513, 0.2860, 0.2908 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 49.9513, 0.2860, 0.2908 by changing the saturation by 10% instead.

■ 49.9513, 0.2860,
0.2908

■ 49.9513, 0.2860,
0.2908

386.4755, 0.2992,
0.3094

■ 35.3747, 0.2828,
0.2863

■ 90.1027, 0.2907,
0.2974

■ 23.9517, 0.2787,
0.2807

116.4463, 0.2925,
0.2999

■ 15.2978, 0.2733,
0.2733

147.4811, 0.2941,
0.3021

■ 9.0286, 0.2659,
0.2634

183.5913, 0.2954,
0.3040

■ 4.7599, 0.2552,
0.2492

225.1615, 0.2965,
0.3056

■ 2.1071, 0.2384,
0.2276

272.5760, 0.2975,

■ 0.6686, 0.2090,

0.3070

0.1872

326.2192, 0.2984,
0.3083

0.0000, 0.0000,
0.0000

49.9513, 0.2860,
0.2908

49.9513, 0.2860,
0.2908

40.1843, 0.2678,
0.2640

61.1550, 0.3026,
0.3147

31.7897, 0.2484,
0.2347

73.8441, 0.3176,
0.3358

24.7073, 0.2283,
0.2036

88.0726, 0.3309,
0.3542

18.8702, 0.2084,
0.1718

97.7895, 0.3352,
0.3661

14.2053, 0.1899,
0.1411

■ 10.6318, 0.1742,
0.1133

■ 8.0582, 0.1622,
0.0906

■ 6.3759, 0.1547,
0.0743

■ 5.9704, 0.1528,
0.0702

Harmonies

Analogous

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



49.9513, 0.2726, 0.2959



49.9513, 0.2860, 0.2908



49.9513, 0.3069, 0.2953

Triad

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



49.9513, 0.2860, 0.2908



49.9513, 0.3579, 0.3452



49.9513, 0.2948, 0.3515

Complementary

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



49.9513, 0.2860, 0.2908



65.1237, 0.3385, 0.3645

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.



49.9513, 0.3172, 0.3660



49.9513, 0.2860, 0.2908



49.9513, 0.3542, 0.3612

Square

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



49.9513, 0.2860, 0.2908



49.9513, 0.3490, 0.3258



49.9513, 0.3391, 0.3693



49.9513, 0.2775, 0.3307

Rectangle

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



49.9513, 0.2860, 0.2908



49.9513, 0.3225, 0.3029



49.9513, 0.3391, 0.3693



49.9513, 0.3020, 0.3574

Sweetspot

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



49.9534, 0.2860, 0.2908



90.8729, 0.3051, 0.3182



64.1716, 0.2910, 0.3354



19.1855, 0.3040, 0.3167



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.



49.9534, 0.2860, 0.2908



66.7452, 0.2797, 0.2816



49.4408, 0.2956, 0.2856



12.9122, 0.2981, 0.3083



3.7058, 0.1533, 0.0717



0.3371, 0.1600, 0.0961

Inverse Universe

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



51.3180, 0.3399, 0.3231



69.1589, 0.3471, 0.3217



65.8470, 0.3279, 0.3713



13.0813, 0.3270, 0.3257



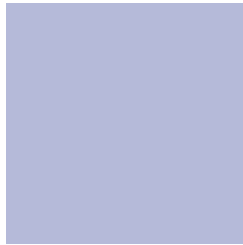
8.9979, 0.6204, 0.3191



0.5927, 0.5818, 0.2979

Previews

White Background



This preview shows how the Yxy color 49.9513, 0.2860, 0.2908 looks on a white background.

Color Contrast Check

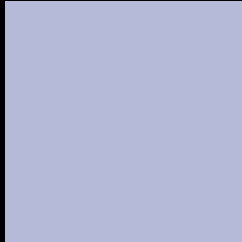
Large Text (above 18pt) WCAG AA × Fail

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 49.9513, 0.2860, 0.2908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

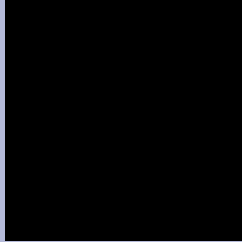
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

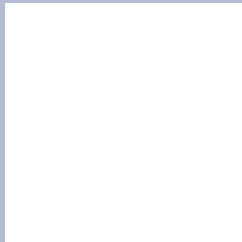
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9513, 0.2860, 0.2908

Background



This preview shows how black text looks on a background with the Yxy color 49.9513, 0.2860, 0.2908.



This preview shows how white text looks on a background with the Yxy color 49.9513, 0.2860, 0.2908.

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

49.9513, 0.2860, 0.2908

Protanopia

50.0726, 0.2868, 0.2909

Deuteranopia

50.0053, 0.2929, 0.2868



Tritanopia

49.7432, 0.2936, 0.3100

Trichromacy



Original Color

49.9513, 0.2860, 0.2908

Protanomaly

50.0726, 0.2868, 0.2909

Deuteranomaly

49.9077, 0.2898, 0.2876

Tritanomaly

49.6784, 0.2908, 0.3026

Monochromacy



Original Color

49.9513, 0.2860, 0.2908

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9785, 0.3020, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9513, 0.2860, 0.2908 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, 186, 217)` looks like.

```
.text, #text, p{  
    color:rgb(181, 186, 217)  
}
```

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, 186, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 186, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.9513, 0.2860, 0.2908 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, 186, 217) }
```

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

```
.border{ border-color:rgb(181, 186, 217) }
```

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

Here you see how a box with a 4 pixel rgb(181, 186, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 186, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 186, 217);  
box-shadow:4px 4px 4px 4px rgb(181, 186,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9513, 0.2860, 0.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 186, 217) }
```

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

```
.background{ background-color: rgb(181,  
186, 217) }
```

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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