

Converting Colors

$Y_{xy}(49.1899, 0.2876, 0.2972)$

Have a look what the booklet for
Yxy(49.1899, 0.2876, 0.2972)
contains.

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Color

Yxy(49.2859, 0.2879, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	B2BAD3
RGB	178, 186, 211
RGB Percent	70%, 73%, 83%
CMY	0.3020, 0.2706, 0.1724
CMYK	0.16, 0.12, 0.00, 0.17
HSL	225°, 27%, 76%
HSV	225°, 16%, 83%
XYZ	47.6795, 49.2859, 68.6459
YIQ	186.4580, -12.7930, 6.0790

Conversions

Conversions Part 2

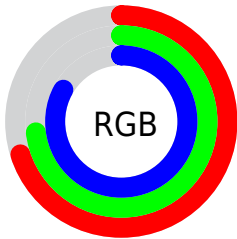
Format	Color
R_{YB}	178, 184, 211
Decimal	11713235
CIE _{Lab}	75.63, 2.33, -13.51
CIE _{LCh}	76, 13.713, 279.791
Yxy	49.2859, 0.2879, 0.2976
Android (android.graphics.Color)	4289903315 (0xFFB2BAD3)
YUV	186.4580, 12.0992, -7.4177
Hunter-Lab	70.2039, -1.6274, -8.8314

Details

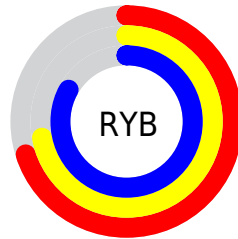
The Yxy color **49.2859, 0.2879, 0.2976** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7929, 0.3374, 0.3586**, and the grayscale version is **49.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2167, 0.2999, 0.3160**, and **23.5353, 0.2814, 0.2899** is the 20% darker color. If you saturate the color by 10%, you get **40.6155, 0.2704, 0.2744**, and if you desaturate by 10%, it is **59.0985, 0.3041, 0.3184**.

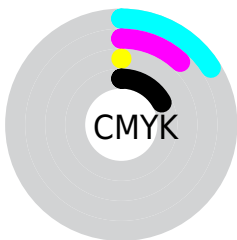
Distribution



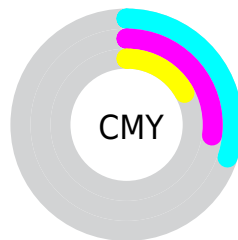
- Red (70%)
- Green (73%)
- Blue (83%)



- Red (70%)
- Yellow (72%)
- Blue (83%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)



- Cyan (30%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2859, 0.2879, 0.2976 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 49.2859, 0.2879, 0.2976 by changing the saturation by 10% instead.

■ 49.2859, 0.2879,
0.2976

■ 49.2859, 0.2879,
0.2976

■ 383.8668, 0.3002,
0.3130

■ 34.8463, 0.2849,
0.2939

■ 89.1159, 0.2923,
0.3031

■ 23.5445, 0.2811,
0.2891

■ 115.2752, 0.2940,
0.3052

■ 14.9961, 0.2760,
0.2829

■ 146.1098, 0.2954,
0.3070

■ 8.8166, 0.2691,
0.2744

■ 182.0041, 0.2966,
0.3085

■ 4.6218, 0.2590,
0.2621

■ 223.3426, 0.2977,
0.3099

■ 2.0271, 0.2430,
0.2430

■ 270.5096, 0.2986,

■ 0.6231, 0.2124,

0.3110

0.2038

323.8895, 0.2994,
0.3121

0.0000, 0.0000,
0.0000

49.2859, 0.2879,
0.2976

49.2859, 0.2879,
0.2976

40.6155, 0.2704,
0.2744

59.0985, 0.3041,
0.3184

33.0389, 0.2519,
0.2489

70.0870, 0.3190,
0.3367

26.5132, 0.2330,
0.2215

82.2915, 0.3325,
0.3527

20.9903, 0.2142,
0.1930

94.3152, 0.3395,
0.3673

16.4182, 0.1966,
0.1645

97.4846, 0.3387,
0.3720

■ 12.7395, 0.1812,
0.1373

■ 9.8905, 0.1688,
0.1131

■ 7.7969, 0.1601,
0.0932

■ 7.0821, 0.1572,
0.0860

Harmonies

Analogous

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



49.2859, 0.2783, 0.3036



49.2859, 0.2879, 0.2976



49.2859, 0.3043, 0.2997

Triad

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



49.2859, 0.2879, 0.2976



49.2859, 0.3492, 0.3395



49.2859, 0.3015, 0.3503

Complementary

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



49.2859, 0.2879, 0.2976



59.7929, 0.3374, 0.3586

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.



49.2859, 0.3203, 0.3605



49.2859, 0.2879, 0.2976



49.2859, 0.3482, 0.3535

Square

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



49.2859, 0.2879, 0.2976



49.2859, 0.3400, 0.3233



49.2859, 0.3375, 0.3615



49.2859, 0.2860, 0.3340

Rectangle

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



49.2859, 0.2879, 0.2976



49.2859, 0.3170, 0.3052



49.2859, 0.3375, 0.3615



49.2859, 0.3076, 0.3546

Sweetspot

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



49.2879, 0.2879, 0.2976



91.6512, 0.3051, 0.3195



60.3686, 0.2944, 0.3391



19.3739, 0.3040, 0.3181



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.



49.2879, 0.2879, 0.2976



70.7115, 0.2818, 0.2896



47.0174, 0.2941, 0.2881



11.8761, 0.2982, 0.3109



4.4080, 0.1579, 0.0883



0.3732, 0.1679, 0.1243

Inverse Universe

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



49.2397, 0.3351, 0.3195



70.7448, 0.3413, 0.3172



62.4814, 0.3296, 0.3684



11.8545, 0.3253, 0.3234



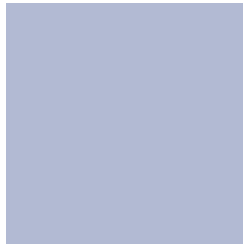
8.5163, 0.5938, 0.3045



0.4890, 0.5406, 0.2751

Previews

White Background



This preview shows how the Yxy color 49.2859, 0.2879, 0.2976 looks on a white background.

Color Contrast Check

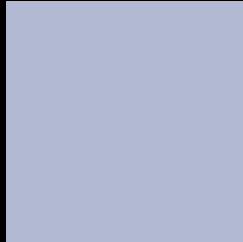
Large Text (above 18pt) WCAG AA × Fail

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 49.2859, 0.2879, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

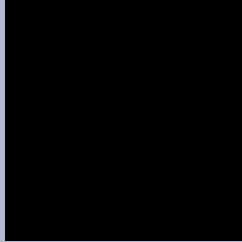
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

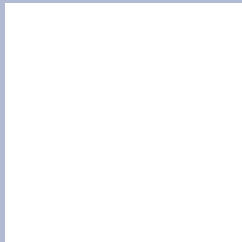
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2859, 0.2879, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 49.2859, 0.2879, 0.2976.

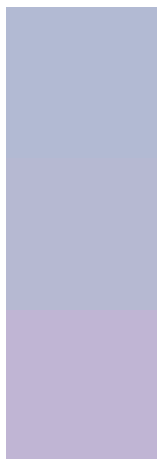


This preview shows how white text looks on a background with the Yxy color 49.2859, 0.2879, 0.2976.

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

49.2859, 0.2879, 0.2976

Protanopia

49.2962, 0.2917, 0.2978

Deuteranopia

49.0077, 0.2980, 0.2913



Tritanopia

49.0350, 0.2928, 0.3098

Trichromacy



Original Color

49.2859, 0.2879, 0.2976

Protanomaly

49.1748, 0.2909, 0.2978

Deuteranomaly

49.1852, 0.2941, 0.2933

Tritanomaly

49.2955, 0.2914, 0.3062

Monochromacy



Original Color

49.2859, 0.2879, 0.2976

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1252, 0.3034, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2859, 0.2879, 0.2976 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(178, 186, 211)` looks like.

```
.text, #text, p{  
    color:rgb(178, 186, 211)  
}
```

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(178, 186, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 186, 211) }
```

Border

The CSS property to change the border of an element to Yxy 49.2859, 0.2879, 0.2976 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(178, 186, 211) }
```

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

```
.border{ border-color:rgb(178, 186, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 186, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 186, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 186, 211);  
box-shadow:4px 4px 4px 4px rgb(178, 186,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2859, 0.2879, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 186, 211) }
```

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

```
.background{ background-color: rgb(178,  
186, 211) }
```

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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