

Converting Colors

$Y_{xy}(49.1580, 0.2898, 0.2988)$

Have a look what the booklet for
Yxy(49.1580, 0.2898, 0.2988)
contains.

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Color

Yxy(49.3547, 0.2894, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	B3BAD2
RGB	179, 186, 210
RGB Percent	70%, 73%, 82%
CMY	0.2979, 0.2706, 0.1765
CMYK	0.15, 0.11, 0.00, 0.18
HSL	226°, 26%, 76%
HSV	226°, 15%, 82%
XYZ	47.7860, 49.3547, 67.9804
YIQ	186.6430, -11.8760, 5.9800

Conversions

Conversions Part 2

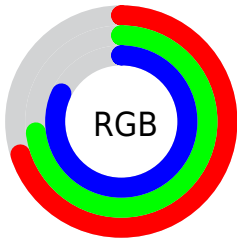
Format	Color
RYB	179, 185, 210
Decimal	11778770
CIELab	75.67, 2.44, -12.88
CIELCh	76, 13.113, 280.742
Yxy	49.3547, 0.2894, 0.2989
Android (android.graphics.Color)	4289968850 (0xFFB3BAD2)
YUV	186.6430, 11.5150, -6.7029
Hunter-Lab	70.2529, -1.5268, -8.1951

Details

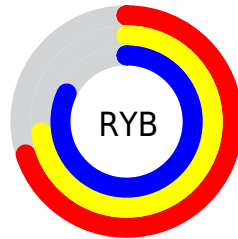
The Yxy color $49.3547, 0.2894, 0.2989$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $59.6824, 0.3358, 0.3574$, and the grayscale version is $49.4245, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.3864, 0.3006, 0.3160$, and $23.6110, 0.2825, 0.2901$ is the 20% darker color. If you saturate the color by 10%, you get $40.5713, 0.2719, 0.2754$, and if you desaturate by 10%, it is $59.3041, 0.3055, 0.3199$.

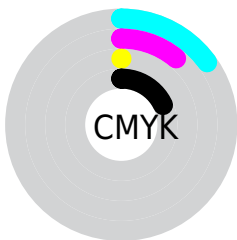
Distribution



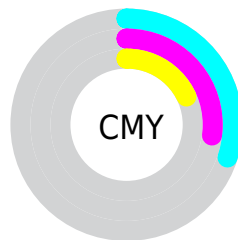
- Red (70%)
- Green (73%)
- Blue (82%)



- Red (70%)
- Yellow (73%)
- Blue (82%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (30%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3547, 0.2894, 0.2989 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 49.3547, 0.2894, 0.2989 by changing the saturation by 10% instead.

■ 49.3547, 0.2894,
0.2989

■ 49.3547, 0.2894,
0.2989

384.1370, 0.3009,
0.3137

■ 34.9009, 0.2866,
0.2953

■ 89.2180, 0.2936,
0.3042

■ 23.5866, 0.2830,
0.2908

115.3964, 0.2951,
0.3062

■ 15.0272, 0.2782,
0.2848

146.2517, 0.2965,
0.3079

■ 8.8385, 0.2717,
0.2766

182.1685, 0.2976,
0.3094

■ 4.6360, 0.2622,
0.2649

223.5309, 0.2986,
0.3107

■ 2.0353, 0.2470,
0.2464

270.7236, 0.2995,

■ 0.6279, 0.2180,

0.3118

0.2085

324.1308, 0.3002,
0.3128

0.0000, 0.0000,
0.0000

49.3547, 0.2894,
0.2989

49.3547, 0.2894,
0.2989

40.5713, 0.2719,
0.2754

59.3041, 0.3055,
0.3199

32.9045, 0.2534,
0.2495

70.4543, 0.3203,
0.3384

26.3104, 0.2343,
0.2216

82.8461, 0.3335,
0.3546

20.7396, 0.2153,
0.1926

94.9629, 0.3400,
0.3694

16.1389, 0.1973,
0.1636

97.4332, 0.3394,
0.3731

■ 12.4497, 0.1815,
0.1360

■ 9.6069, 0.1688,
0.1114

■ 7.5351, 0.1598,
0.0914

■ 6.7082, 0.1564,
0.0828

Harmonies

Analogous

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



49.3547, 0.2800, 0.3044



49.3547, 0.2894, 0.2989



49.3547, 0.3052, 0.3011

Triad

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



49.3547, 0.2894, 0.2989



49.3547, 0.3477, 0.3395



49.3547, 0.3015, 0.3489

Complementary

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



49.3547, 0.2894, 0.2989



59.6824, 0.3358, 0.3574

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.



49.3547, 0.3194, 0.3589



49.3547, 0.2894, 0.2989



49.3547, 0.3465, 0.3528

Square

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



49.3547, 0.2894, 0.2989



49.3547, 0.3392, 0.3241



49.3547, 0.3360, 0.3601



49.3547, 0.2868, 0.3333

Rectangle

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



49.3547, 0.2894, 0.2989



49.3547, 0.3174, 0.3065



49.3547, 0.3360, 0.3601



49.3547, 0.3073, 0.3531

Sweetspot

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



49.3567, 0.2894, 0.2989



93.1769, 0.3066, 0.3213



59.9812, 0.2951, 0.3378



19.6764, 0.3055, 0.3198



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.



49.3567, 0.2894, 0.2989



71.6790, 0.2835, 0.2911



47.5041, 0.2957, 0.2907



11.8432, 0.2982, 0.3104



4.2173, 0.1570, 0.0850



0.3581, 0.1668, 0.1203

Inverse Universe

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



49.4969, 0.3341, 0.3207



72.0473, 0.3401, 0.3186



61.8697, 0.3282, 0.3660



11.8512, 0.3256, 0.3238



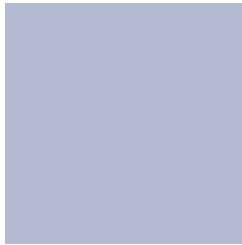
8.4970, 0.5990, 0.3073



0.4874, 0.5462, 0.2783

Previews

White Background



This preview shows how the Yxy color 49.3547, 0.2894, 0.2989 looks on a white background.

Color Contrast Check

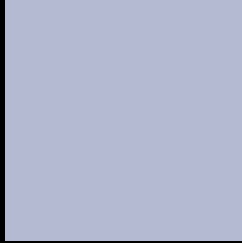
Large Text (above 18pt) WCAG AA × Fail

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 49.3547, 0.2894, 0.2989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

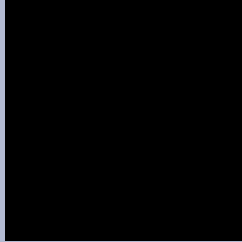
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

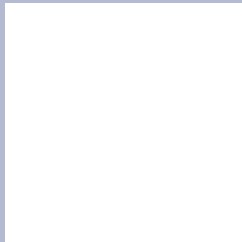
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3547, 0.2894, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 49.3547, 0.2894, 0.2989.

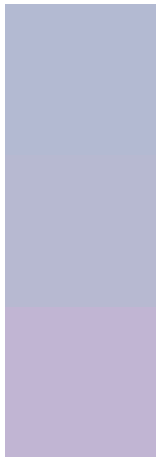


This preview shows how white text looks on a background with the Yxy color 49.3547, 0.2894, 0.2989.

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

49.3547, 0.2894, 0.2989

Protanopia

49.3687, 0.2932, 0.2991

Deuteranopia

49.0884, 0.2996, 0.2925



Tritanopia

49.2699, 0.2943, 0.3099

Trichromacy



Original Color

49.3547, 0.2894, 0.2989

Protanomaly

49.2465, 0.2924, 0.2990

Deuteranomaly

49.2615, 0.2956, 0.2946

Tritanomaly

49.4134, 0.2922, 0.3062

Monochromacy



Original Color

49.3547, 0.2894, 0.2989

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6711, 0.3042, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3547, 0.2894, 0.2989 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(179, 186, 210)` looks like.

```
.text, #text, p{  
    color:rgb(179, 186, 210)  
}
```

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(179, 186, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 186, 210) }
```

Border

The CSS property to change the border of an element to Yxy 49.3547, 0.2894, 0.2989 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(179, 186, 210) }
```

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

```
.border{ border-color:rgb(179, 186, 210) }
```

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

Here you see how a box with a 4 pixel rgb(179, 186, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 186, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 186, 210);  
box-shadow:4px 4px 4px 4px rgb(179, 186,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3547, 0.2894, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 186, 210) }
```

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

```
.background{ background-color: rgb(179,  
186, 210) }
```

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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