

Converting Colors

$Y_{xy}(49.2984, 0.2933, 0.2956)$

Have a look what the booklet for
Yxy(49.2984, 0.2933, 0.2956)
contains.

Yxy(49.2984, 0.2933, 0.2956)	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(49.2984, 0.2933, 0.2956)

Conversions

Conversions Part 1

Format	Color
Hex	B9B8D3
RGB	185, 184, 211
RGB Percent	73%, 72%, 83%
CMY	0.2743, 0.2785, 0.1726
CMYK	0.12, 0.13, 0.00, 0.17
HSL	242°, 23%, 77%
HSV	242°, 13%, 83%
XYZ	48.9148, 49.2984, 68.5608
YIQ	187.3770, -8.0710, 8.6090

Conversions

Conversions Part 2

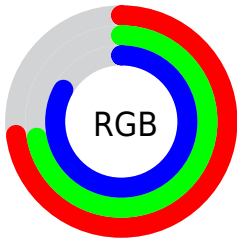
Format	Color
R _Y B	185, 184, 211
Decimal	12171475
CIE Lab	75.64, 5.70, -13.43
CIE LCh	76, 14.589, 293.001
Yxy	49.2984, 0.2933, 0.2956
Android (android.graphics.Color)	4290361555 (0xFFB9B8D3)
YUV	187.3770, 11.6461, -2.0846
Hunter-Lab	70.2128, 1.4823, -8.7460

Details

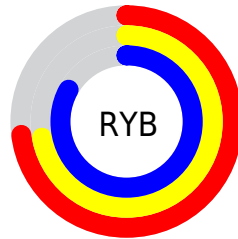
The Yxy color $49.2984, 0.2933, 0.2956$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $63.7368, 0.3309, 0.3605$, and the grayscale version is $49.8593, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.2409, 0.3044, 0.3142$, and $23.5384, 0.2885, 0.2873$ is the 20% darker color. If you saturate the color by 10%, you get $38.8348, 0.2758, 0.2657$, and if you desaturate by 10%, it is $61.4327, 0.3088, 0.3222$.

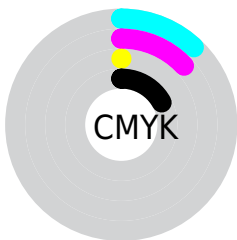
Distribution



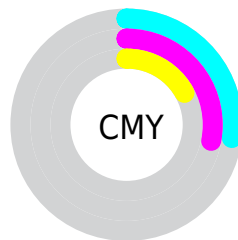
- Red (73%)
- Green (72%)
- Blue (83%)



- Red (73%)
- Yellow (72%)
- Blue (83%)



- Cyan (12%)
- Magenta (13%)
- Yellow (0%)
- Black (17%)



- Cyan (27%)
- Magenta (28%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2984, 0.2933, 0.2956 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 49.2984, 0.2933, 0.2956 by changing the saturation by 10% instead.

■ 49.2984, 0.2933,
0.2956

■ 49.2984, 0.2933,
0.2956

■ 383.9159, 0.3030,
0.3119

■ 34.8562, 0.2909,
0.2917

■ 89.1345, 0.2968,
0.3014

■ 23.5522, 0.2879,
0.2867

■ 115.2972, 0.2981,
0.3036

■ 15.0017, 0.2838,
0.2802

■ 146.1356, 0.2992,
0.3055

■ 8.8206, 0.2783,
0.2714

■ 182.0340, 0.3002,
0.3071

■ 4.6244, 0.2701,
0.2587

■ 223.3768, 0.3010,
0.3086

■ 2.0286, 0.2570,
0.2391

■ 270.5485, 0.3017,

■ 0.6240, 0.2337,

0.3098

0.1991

323.9334, 0.3024,
0.3109

0.0000, 0.0000,
0.0000

49.2984, 0.2933,
0.2956

49.2984, 0.2933,
0.2956

38.8348, 0.2758,
0.2657

61.4327, 0.3088,
0.3222

29.9630, 0.2565,
0.2330

75.3000, 0.3222,
0.3454

22.6068, 0.2358,
0.1982

90.9666, 0.3338,
0.3656

16.6815, 0.2148,
0.1630

97.4829, 0.3388,
0.3721

12.0939, 0.1946,
0.1297

■ 8.7400, 0.1770,
0.1010

■ 6.5002, 0.1633,
0.0792

■ 5.2313, 0.1545,
0.0658

■ 4.7566, 0.1510,
0.0606

Harmonies

Analogous

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



49.2984, 0.2796, 0.2981



49.2984, 0.2933, 0.2956



49.2984, 0.3126, 0.3014

Triad

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



49.2984, 0.2933, 0.2956



49.2984, 0.3525, 0.3472



49.2984, 0.2928, 0.3446

Complementary

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



49.2984, 0.2933, 0.2956



63.7368, 0.3309, 0.3605

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.



49.2984, 0.3118, 0.3589



49.2984, 0.2933, 0.2956



49.2984, 0.3466, 0.3598

Square

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



49.2984, 0.2933, 0.2956



49.2984, 0.3472, 0.3305



49.2984, 0.3316, 0.3644



49.2984, 0.2793, 0.3260

Rectangle

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



49.2984, 0.2933, 0.2956



49.2984, 0.3261, 0.3092



49.2984, 0.3316, 0.3644



49.2984, 0.2987, 0.3501

Sweetspot

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



49.3005, 0.2933, 0.2956



91.8528, 0.3069, 0.3190



61.0314, 0.2933, 0.3279



19.3427, 0.3058, 0.3171



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.



49.3005, 0.2933, 0.2956



71.6625, 0.2893, 0.2888



51.0383, 0.3039, 0.2967



11.4396, 0.2988, 0.3050



2.8812, 0.1514, 0.0607



0.1691, 0.1558, 0.0632

Inverse Universe

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



52.7740, 0.3150, 0.2989



77.8800, 0.3155, 0.2932



61.8610, 0.3206, 0.3615



12.0007, 0.3144, 0.3070



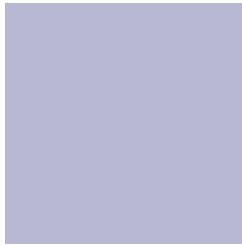
10.9541, 0.3310, 0.1597



0.6151, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 49.2984, 0.2933, 0.2956 looks on a white background.

Color Contrast Check

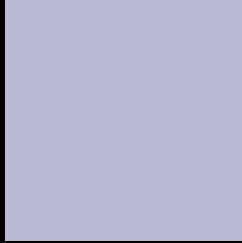
Large Text (above 18pt) WCAG AA × Fail

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 49.2984, 0.2933, 0.2956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

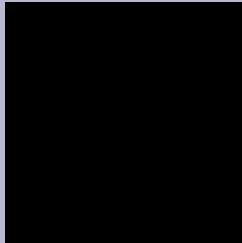
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

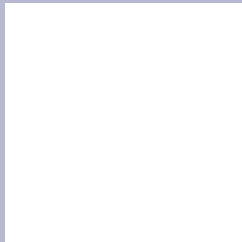
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2984, 0.2933, 0.2956

Background



This preview shows how black text looks on a background with the Yxy color 49.2984, 0.2933, 0.2956.



This preview shows how white text looks on a background with the Yxy color 49.2984, 0.2933, 0.2956.

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

49.2984, 0.2933, 0.2956

Protanopia

49.3965, 0.2902, 0.2955

Deuteranopia

49.0884, 0.2996, 0.2925



Tritanopia

49.3552, 0.2997, 0.3113

Trichromacy



Original Color

49.2984, 0.2933, 0.2956

Protanomaly

49.5187, 0.2910, 0.2955

Deuteranomaly

49.1062, 0.2972, 0.2935

Tritanomaly

49.2479, 0.2976, 0.3052

Monochromacy



Original Color

49.2984, 0.2933, 0.2956

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.5424, 0.3051, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2984, 0.2933, 0.2956 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(185, 184, 211)` looks like.

```
.text, #text, p{  
    color:rgb(185, 184, 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(185, 184, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 184, 211) }
```

Border

The CSS property to change the border of an element to Yxy 49.2984, 0.2933, 0.2956 is called "border". The border property can be set on classes, ids or directly on the HTML element.

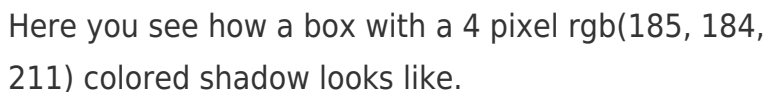
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 184, 211) }
```

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

```
.border{ border-color:rgb(185, 184, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 184, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 184, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 184, 211);  
box-shadow:4px 4px 4px 4px rgb(185, 184,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2984, 0.2933, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 184, 211) }
```

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

```
.background{ background-color: rgb(185,  
184, 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](#).

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