

Converting Colors

$Y_{xy}(50.4694, 0.2905, 0.2874)$

Have a look what the booklet for
Yxy(50.4694, 0.2905, 0.2874)
contains.

Yxy(50.6312, 0.2907, 0.2879)	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(50.6312, 0.2907, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	BDB9DB
RGB	189, 185, 219
RGB Percent	74%, 73%, 86%
CMY	0.2588, 0.2745, 0.1411
CMYK	0.14, 0.16, 0.00, 0.14
HSL	247°, 32%, 79%
HSV	247°, 16%, 86%
XYZ	51.1236, 50.6312, 74.1090
YIQ	190.0720, -8.5300, 11.4220

Conversions

Conversions Part 2

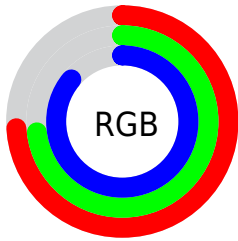
Format	Color
R _Y B	189, 185, 219
Decimal	12433883
CIE Lab	76.46, 8.12, -16.52
CIE LCh	76, 18.408, 296.159
Yxy	50.6312, 0.2907, 0.2879
Android (android.graphics.Color)	4290623963 (0xFFBDB9DB)
YUV	190.0720, 14.2615, -0.9401
Hunter-Lab	71.1556, 3.7257, -11.9420

Details

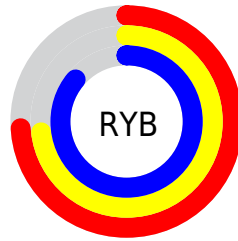
The Yxy color $50.6312, 0.2907, 0.2879$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $68.6260, 0.3329, 0.3677$, and the grayscale version is $51.4579, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5431, 0.3069, 0.3153$, and $24.3338, 0.2842, 0.2772$ is the 20% darker color. If you saturate the color by 10%, you get $39.8554, 0.2741, 0.2575$, and if you desaturate by 10%, it is $63.1520, 0.3054, 0.3152$.

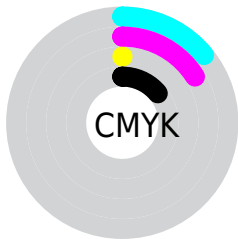
Distribution



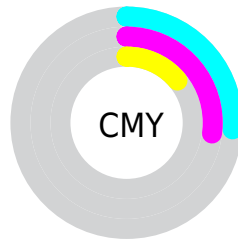
- Red (74%)
- Green (73%)
- Blue (86%)



- Red (74%)
- Yellow (73%)
- Blue (86%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)



- Cyan (26%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6312, 0.2907, 0.2879 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 50.6312, 0.2907, 0.2879 by changing the saturation by 10% instead.

■ 50.6312, 0.2907,
0.2879

■ 50.6312, 0.2907,
0.2879

■ 389.1292, 0.3016,
0.3077

■ 35.9152, 0.2880,
0.2832

■ 91.1094, 0.2946,
0.2949

■ 24.3687, 0.2846,
0.2772

■ 117.6404, 0.2961,
0.2976

■ 15.6073, 0.2801,
0.2695

■ 148.8784, 0.2974,
0.2999

■ 9.2467, 0.2739,
0.2592

■ 185.2080, 0.2985,
0.3019

■ 4.9025, 0.2648,
0.2446

■ 227.0135, 0.2994,
0.3036

■ 2.1901, 0.2506,
0.2226

■ 274.6792, 0.3002,

■ 0.7146, 0.2259,

0.3052

0.1839

328.5897, 0.3010,
0.3065

0.0000, 0.0000,
0.0000

50.6312, 0.2907,
0.2879

50.6312, 0.2907,
0.2879

39.8554, 0.2741,
0.2575

63.1520, 0.3054,
0.3152

30.7411, 0.2557,
0.2246

77.4840, 0.3182,
0.3394

23.2071, 0.2360,
0.1902

93.6977, 0.3292,
0.3606

17.1630, 0.2159,
0.1560

97.8955, 0.3339,
0.3641

12.5093, 0.1965,
0.1242

■ 9.1343, 0.1794,
0.0973

■ 6.9085, 0.1658,
0.0774

■ 5.6749, 0.1566,
0.0655

■ 5.3321, 0.1538,
0.0621

Harmonies

Analogous

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



50.6312, 0.2728, 0.2897



50.6312, 0.2907, 0.2879



50.6312, 0.3151, 0.2961

Triad

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



50.6312, 0.2907, 0.2879



50.6312, 0.3624, 0.3533



50.6312, 0.2856, 0.3462

Complementary

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



50.6312, 0.2907, 0.2879



68.6260, 0.3329, 0.3677

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.



50.6312, 0.3088, 0.3653



50.6312, 0.2907, 0.2879



50.6312, 0.3535, 0.3685

Square

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



50.6312, 0.2907, 0.2879



50.6312, 0.3573, 0.3328



50.6312, 0.3337, 0.3735



50.6312, 0.2700, 0.3225

Rectangle

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



50.6312, 0.2907, 0.2879



50.6312, 0.3320, 0.3062



50.6312, 0.3337, 0.3735



50.6312, 0.2927, 0.3534

Sweetspot

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



50.6333, 0.2907, 0.2879



90.0616, 0.3061, 0.3165



64.0569, 0.2891, 0.3243



18.9892, 0.3051, 0.3147



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.



50.6333, 0.2907, 0.2879



65.6621, 0.2849, 0.2772



52.9329, 0.3040, 0.2895



12.6902, 0.2999, 0.3049



3.1856, 0.1545, 0.0625



0.2313, 0.1653, 0.0684

Inverse Universe

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



54.6689, 0.3176, 0.2951



72.5262, 0.3189, 0.2870



66.1877, 0.3202, 0.3693



13.2471, 0.3156, 0.3086



11.2299, 0.3528, 0.1717



0.7352, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 50.6312, 0.2907, 0.2879 looks on a white background.

Color Contrast Check

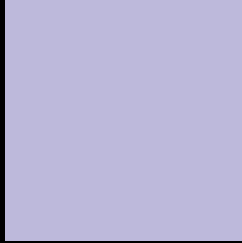
Large Text (above 18pt) WCAG AA × Fail

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 50.6312, 0.2907, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

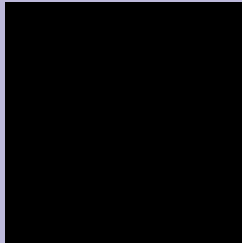
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6312, 0.2907, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 50.6312, 0.2907, 0.2879.



This preview shows how white text looks on a background with the Yxy color 50.6312, 0.2907, 0.2879.

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

50.6312, 0.2907, 0.2879

Protanopia

50.6530, 0.2848, 0.2886

Deuteranopia

50.6019, 0.2930, 0.2870



Tritanopia

50.7173, 0.2999, 0.3103

Trichromacy



Original Color

50.6312, 0.2907, 0.2879

Protanomaly

50.5994, 0.2870, 0.2877

Deuteranomaly

50.4718, 0.2922, 0.2869

Tritanomaly

50.7089, 0.2963, 0.3019

Monochromacy



Original Color

50.6312, 0.2907, 0.2879

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.1306, 0.3045, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6312, 0.2907, 0.2879 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(189, 185, 219)` looks like.

```
.text, #text, p{  
    color:rgb(189, 185, 219)  
}
```

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(189, 185, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 185, 219) }
```

Border

The CSS property to change the border of an element to Yxy 50.6312, 0.2907, 0.2879 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(189, 185, 219) }
```

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

```
.border{ border-color:rgb(189, 185, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 185, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 185, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 185, 219);  
box-shadow:4px 4px 4px 4px rgb(189, 185,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6312, 0.2907, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 185, 219) }
```

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

```
.background{ background-color: rgb(189,  
185, 219) }
```

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