

Converting Colors

$Y_{xy}(50.6891, 0.2869, 0.2835)$

Have a look what the booklet for
Yxy(50.6891, 0.2869, 0.2835)
contains.

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Color

Yxy(50.7170, 0.2872, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	BCB9DF
RGB	188, 185, 223
RGB Percent	74%, 73%, 87%
CMY	0.2626, 0.2745, 0.1255
CMYK	0.16, 0.17, 0.00, 0.13
HSL	245°, 37%, 80%
HSV	245°, 17%, 87%
XYZ	51.4152, 50.7170, 76.8901
YIQ	190.2290, -10.4100, 12.4540

Conversions

Conversions Part 2

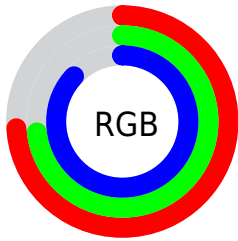
Format	Color
RYB	188, 185, 223
Decimal	12368351
CIELab	76.51, 8.66, -18.61
CIELCh	77, 20.523, 294.964
Yxy	50.7170, 0.2872, 0.2833
Android (android.graphics.Color)	4290558431 (0xFFBCB9DF)
YUV	190.2290, 16.1561, -1.9548
Hunter-Lab	71.2159, 4.2425, -14.1629

Details

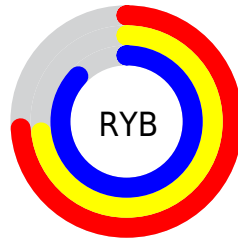
The Yxy color $50.7170, 0.2872, 0.2833$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $71.4841, 0.3360, 0.3715$, and the grayscale version is $51.5454, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.3637, 0.3063, 0.3153$, and $24.3980, 0.2795, 0.2712$ is the 20% darker color. If you saturate the color by 10%, you get $39.6868, 0.2696, 0.2522$, and if you desaturate by 10%, it is $63.5847, 0.3029, 0.3113$.

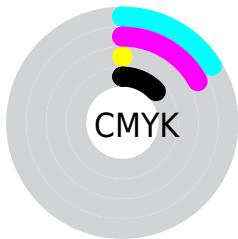
Distribution



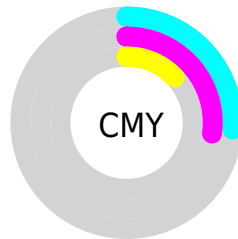
- Red (74%)
- Green (73%)
- Blue (87%)



- Red (74%)
- Yellow (73%)
- Blue (87%)



- Cyan (16%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (26%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7170, 0.2872, 0.2833 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 50.7170, 0.2872, 0.2833 by changing the saturation by 10% instead.

■ 50.7170, 0.2872,
0.2833

■ 50.7170, 0.2872,
0.2833

389.4633, 0.2998,
0.3053

■ 35.9834, 0.2841,
0.2781

■ 91.2363, 0.2918,
0.2911

■ 24.4214, 0.2802,
0.2715

117.7909, 0.2935,
0.2941

■ 15.6465, 0.2750,
0.2631

149.0545, 0.2949,
0.2966

■ 9.2744, 0.2679,
0.2518

185.4117, 0.2962,
0.2988

■ 4.9206, 0.2576,
0.2359

227.2467, 0.2973,
0.3007

■ 2.2007, 0.2415,
0.2123

274.9441, 0.2982,

■ 0.7204, 0.2140,

0.3024

0.1718

328.8881, 0.2991,
0.3039

0.0000, 0.0000,
0.0000

50.7170, 0.2872,
0.2833

50.7170, 0.2872,
0.2833

39.6868, 0.2696,
0.2522

63.5847, 0.3029,
0.3113

30.4044, 0.2502,
0.2187

78.3618, 0.3166,
0.3360

22.7817, 0.2298,
0.1838

95.1241, 0.3284,
0.3575

16.7207, 0.2093,
0.1494

98.1077, 0.3316,
0.3601

12.1129, 0.1900,
0.1179

■ 8.8360, 0.1736,
0.0919

■ 6.7476, 0.1612,
0.0734

■ 5.6648, 0.1536,
0.0632

■ 5.4556, 0.1521,
0.0612

Harmonies

Analogous

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



50.7170, 0.2678, 0.2856



50.7170, 0.2872, 0.2833



50.7170, 0.3142, 0.2920

Triad

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



50.7170, 0.2872, 0.2833



50.7170, 0.3682, 0.3550



50.7170, 0.2834, 0.3492

Complementary

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



50.7170, 0.2872, 0.2833



71.4841, 0.3360, 0.3715

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.



50.7170, 0.3093, 0.3703



50.7170, 0.2872, 0.2833



50.7170, 0.3588, 0.3725

Square

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



50.7170, 0.2872, 0.2833



50.7170, 0.3620, 0.3321



50.7170, 0.3370, 0.3787



50.7170, 0.2657, 0.3226

Rectangle

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



50.7170, 0.2872, 0.2833



50.7170, 0.3330, 0.3029



50.7170, 0.3370, 0.3787



50.7170, 0.2914, 0.3573

Sweetspot

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



50.7191, 0.2872, 0.2833



89.9768, 0.3058, 0.3165



67.0718, 0.2869, 0.3260



18.9687, 0.3048, 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.



50.7191, 0.2872, 0.2833



63.8301, 0.2819, 0.2740



53.2194, 0.3015, 0.2852



13.2957, 0.2993, 0.3048



3.2271, 0.1527, 0.0615



0.2423, 0.1601, 0.0656

Inverse Universe

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



55.5463, 0.3170, 0.2902



71.4045, 0.3179, 0.2829



68.7588, 0.3223, 0.3734



13.9156, 0.3150, 0.3077



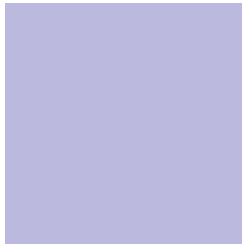
11.8260, 0.3421, 0.1658



0.8254, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 50.7170, 0.2872, 0.2833 looks on a white background.

Color Contrast Check

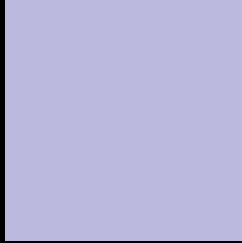
Large Text (above 18pt) WCAG AA × Fail

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 50.7170, 0.2872, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

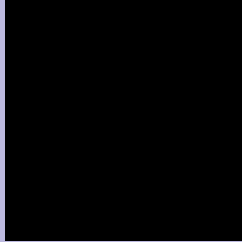
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7170, 0.2872, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 50.7170, 0.2872, 0.2833.



This preview shows how white text looks on a background with the Yxy color 50.7170, 0.2872, 0.2833.

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

50.7170, 0.2872, 0.2833

Protanopia

50.7462, 0.2814, 0.2840

Deuteranopia

50.5558, 0.2886, 0.2823



Tritanopia

50.5925, 0.2991, 0.3103

Trichromacy



Original Color

50.7170, 0.2872, 0.2833

Protanomaly

50.6900, 0.2835, 0.2830

Deuteranomaly

50.4275, 0.2879, 0.2822

Tritanomaly

50.6329, 0.2948, 0.3006

Monochromacy



Original Color

50.7170, 0.2872, 0.2833

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.0495, 0.3030, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7170, 0.2872, 0.2833 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(188, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(188, 185, 223)  
}
```

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(188, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 185, 223) }
```

Border

The CSS property to change the border of an element to Yxy 50.7170, 0.2872, 0.2833 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(188, 185, 223) }
```

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

```
.border{ border-color:rgb(188, 185, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 185, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 185, 223);  
box-shadow:4px 4px 4px 4px rgb(188, 185,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7170, 0.2872, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 185, 223) }
```

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

```
.background{ background-color: rgb(188,  
185, 223) }
```

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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