

Converting Colors

$Y_{xy}(49.4781, 0.2841, 0.2830)$

Have a look what the booklet for
Yxy(49.4781, 0.2841, 0.2830)
contains.

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Color

Yxy(49.5687, 0.2847, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	B7B8DD
RGB	183, 184, 221
RGB Percent	72%, 72%, 87%
CMY	0.2823, 0.2785, 0.1333
CMYK	0.17, 0.17, 0.00, 0.13
HSL	238°, 36%, 79%
HSV	238°, 17%, 87%
XYZ	49.7259, 49.5687, 75.3661
YIQ	187.9190, -12.4730, 11.2950

Conversions

Conversions Part 2

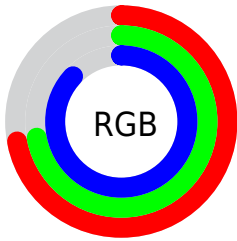
Format	Color
R_{YB}	183, 184, 221
Decimal	12040413
CIE Lab	75.80, 7.18, -18.63
CIE LCh	76, 19.971, 291.079
Yxy	49.5687, 0.2847, 0.2838
Android (android.graphics.Color)	4290230493 (0xFFB7B8DD)
YUV	187.9190, 16.3089, -4.3140
Hunter-Lab	70.4050, 2.8627, -14.1843

Details

The Yxy color **49.5687, 0.2847, 0.2838** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.0068, 0.3386, 0.3705**, and the grayscale version is **50.1553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8909, 0.3031, 0.3141**, and **23.7316, 0.2772, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **38.7928, 0.2658, 0.2531**, and if you desaturate by 10%, it is **62.1364, 0.3017, 0.3113**.

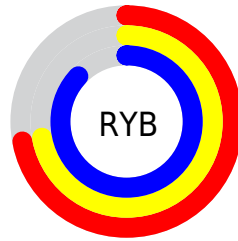
Distribution



Red (72%)

Green (72%)

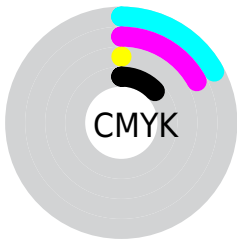
Blue (87%)



Red (72%)

Yellow (72%)

Blue (87%)

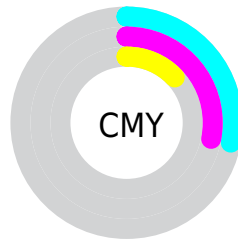


Cyan (17%)

Magenta (17%)

Yellow (0%)

Black (13%)



Cyan (28%)

Magenta (28%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5687, 0.2847, 0.2838 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 49.5687, 0.2847, 0.2838 by changing the saturation by 10% instead.

■ 49.5687, 0.2847,
0.2838

■ 49.5687, 0.2847,
0.2838

384.9769, 0.2986,
0.3057

■ 35.0708, 0.2813,
0.2786

■ 89.5355, 0.2897,
0.2916

■ 23.7174, 0.2770,
0.2720

115.7732, 0.2916,
0.2945

■ 15.1241, 0.2712,
0.2635

146.6930, 0.2932,
0.2971

■ 8.9066, 0.2634,
0.2520

182.6793, 0.2946,
0.2993

■ 4.6803, 0.2521,
0.2359

224.1164, 0.2958,
0.3012

■ 2.0609, 0.2344,
0.2116

271.3888, 0.2968,

■ 0.6425, 0.2043,

0.3028

0.1670

324.8808, 0.2978,
0.3043

0.0000, 0.0000,
0.0000

49.5687, 0.2847,
0.2838

49.5687, 0.2847,
0.2838

38.7928, 0.2658,
0.2531

62.1364, 0.3017,
0.3113

29.7214, 0.2452,
0.2196

76.5657, 0.3167,
0.3355

22.2691, 0.2239,
0.1847

92.9304, 0.3298,
0.3564

16.3406, 0.2029,
0.1501

98.0015, 0.3327,
0.3621

11.8307, 0.1838,
0.1184

■ 8.6209, 0.1682,
0.0921

■ 6.5736, 0.1573,
0.0734

■ 5.5172, 0.1514,
0.0630

■ 5.3441, 0.1504,
0.0613

Harmonies

Analogous

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



49.5687, 0.2670, 0.2876



49.5687, 0.2847, 0.2838



49.5687, 0.3105, 0.2911

Triad

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



49.5687, 0.2847, 0.2838



49.5687, 0.3672, 0.3518



49.5687, 0.2869, 0.3519

Complementary

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



49.5687, 0.2847, 0.2838



70.0068, 0.3386, 0.3705

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.



49.5687, 0.3130, 0.3714



49.5687, 0.2847, 0.2838



49.5687, 0.3599, 0.3699

Square

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



49.5687, 0.2847, 0.2838



49.5687, 0.3591, 0.3291



49.5687, 0.3398, 0.3777



49.5687, 0.2682, 0.3261

Rectangle

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



49.5687, 0.2847, 0.2838



49.5687, 0.3292, 0.3011



49.5687, 0.3398, 0.3777



49.5687, 0.2951, 0.3595

Sweetspot

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



49.5707, 0.2847, 0.2838



89.9891, 0.3051, 0.3168



66.9475, 0.2876, 0.3304



18.9716, 0.3040, 0.3150



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.



49.5707, 0.2847, 0.2838



62.3261, 0.2774, 0.2719



51.4821, 0.2984, 0.2844



12.6702, 0.2981, 0.3054



3.1288, 0.1505, 0.0617



0.2219, 0.1519, 0.0669

Inverse Universe

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



52.7127, 0.3448, 0.3280



67.5465, 0.3541, 0.3277



67.8800, 0.3252, 0.3734



13.0569, 0.3288, 0.3284



8.9396, 0.6372, 0.3284



0.5811, 0.6284, 0.3235

Previews

White Background



This preview shows how the Yxy color 49.5687, 0.2847, 0.2838 looks on a white background.

Color Contrast Check

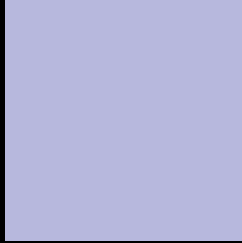
Large Text (above 18pt) WCAG AA × Fail

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 49.5687, 0.2847, 0.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

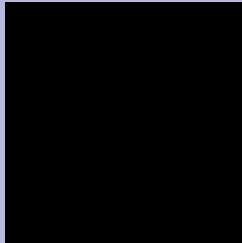
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5687, 0.2847, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 49.5687, 0.2847, 0.2838.



This preview shows how white text looks on a background with the Yxy color 49.5687, 0.2847, 0.2838.

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

49.5687, 0.2847, 0.2838

Protanopia

49.5556, 0.2811, 0.2836

Deuteranopia

49.3677, 0.2884, 0.2818



Tritanopia

49.5082, 0.2959, 0.3100

Trichromacy



Original Color

49.5687, 0.2847, 0.2838

Protanomaly

49.6751, 0.2818, 0.2837

Deuteranomaly

49.5265, 0.2869, 0.2829

Tritanomaly

49.5450, 0.2916, 0.3002

Monochromacy



Original Color

49.5687, 0.2847, 0.2838

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.1499, 0.3021, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5687, 0.2847, 0.2838 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(183, 184, 221)` looks like.

```
.text, #text, p{  
    color:rgb(183, 184, 221)  
}
```

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(183, 184, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 184, 221) }
```

Border

The CSS property to change the border of an element to Yxy 49.5687, 0.2847, 0.2838 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(183, 184, 221) }
```

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

```
.border{ border-color:rgb(183, 184, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 184, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 184, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 184, 221);  
box-shadow:4px 4px 4px 4px rgb(183, 184,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5687, 0.2847, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 184, 221) }
```

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

```
.background{ background-color: rgb(183,  
184, 221) }
```

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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