

Converting Colors

$Y_{xy}(50.5638, 0.2796, 0.2694)$

Have a look what the booklet for
Yxy(50.5638, 0.2796, 0.2694)
contains.

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Color

Yxy(50.4989, 0.2796, 0.2688)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BCB7EA |
| RGB | 188, 183, 234 |
| RGB Percent | 74%, 72%, 92% |
| CMY | 0.2627, 0.2824, 0.0822 |
| CMYK | 0.20, 0.22, 0.00, 0.08 |
| HSL | 246°, 55%, 82% |
| HSV | 246°, 22%, 92% |
| XYZ | 52.5279, 50.4989, 84.8412 |
| YIQ | 190.3090, -13.3910, 16.9210 |

Conversions

Conversions Part 2

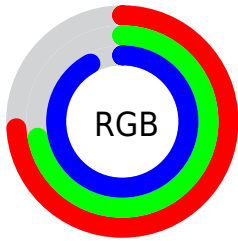
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 188, 183, 234 |
| Decimal | 12367850 |
| CIE Lab | 76.37, 12.15, -24.77 |
| CIE LCh | 76, 27.594, 296.129 |
| Yxy | 50.4989, 0.2796, 0.2688 |
| Android (android.graphics.Color) | 4290557930 (0xFFBCB7EA) |
| YUV | 190.3090, 21.5397, -2.0250 |
| Hunter-Lab | 71.0626, 7.5837, -21.0421 |

Details

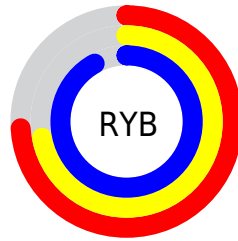
The Yxy color **50.4989, 0.2796, 0.2688** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.9419, 0.3420, 0.3840**, and the grayscale version is **51.5613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3655, 0.3070, 0.3133**, and **24.2479, 0.2706, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **39.1487, 0.2614, 0.2365**, and if you desaturate by 10%, it is **63.8503, 0.2960, 0.2983**.

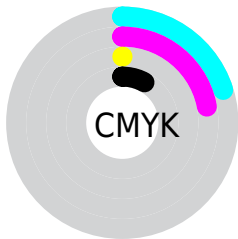
Distribution



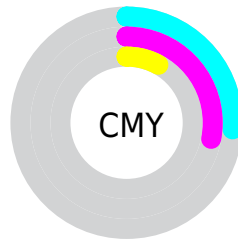
- Red (74%)
- Green (72%)
- Blue (92%)



- Red (74%)
- Yellow (72%)
- Blue (92%)



- Cyan (20%)
- Magenta (22%)
- Yellow (0%)
- Black (8%)



- Cyan (26%)
- Magenta (28%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4989, 0.2796, 0.2688 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 50.4989, 0.2796, 0.2688 by changing the saturation by 10% instead.

■ 50.4989, 0.2796,
0.2688

■ 50.4989, 0.2796,
0.2688

388.6138, 0.2960,
0.2974

■ 35.8100, 0.2756,
0.2621

■ 90.9136, 0.2855,
0.2789

■ 24.2875, 0.2705,
0.2538

117.4082, 0.2877,
0.2827

■ 15.5470, 0.2638,
0.2431

148.6068, 0.2896,
0.2861

■ 9.2042, 0.2548,
0.2291

184.8938, 0.2913,
0.2889

■ 4.8746, 0.2419,
0.2097

226.6536, 0.2927,
0.2915

■ 2.1739, 0.2221,
0.1819

274.2706, 0.2939,

■ 0.7057, 0.1895,

0.2937

0.1373

328.1292, 0.2950,
0.2957

0.0000, 0.0000,
0.0000

50.4989, 0.2796,
0.2688

50.4989, 0.2796,
0.2688

39.1487, 0.2614,
0.2365

63.8503, 0.2960,
0.2983

29.6972, 0.2416,
0.2021

79.2863, 0.3103,
0.3246

22.0424, 0.2212,
0.1673

96.8933, 0.3228,
0.3477

16.0698, 0.2012,
0.1340

98.7221, 0.3250,
0.3493

11.6521, 0.1831,
0.1050

■ 8.6436, 0.1683,
0.0824

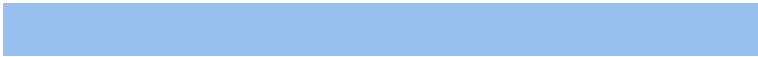
■ 6.8705, 0.1579,
0.0679

■ 6.1239, 0.1527,
0.0615

Harmonies

Analogous

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



50.4989, 0.2537, 0.2707



50.4989, 0.2796, 0.2688



50.4989, 0.3158, 0.2809

Triad

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



50.4989, 0.2796, 0.2688



50.4989, 0.3875, 0.3639



50.4989, 0.2721, 0.3549

Complementary

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



50.4989, 0.2796, 0.2688



78.9419, 0.3420, 0.3840

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.



50.4989, 0.3062, 0.3848



50.4989, 0.2796, 0.2688



50.4989, 0.3736, 0.3876

Square

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



50.4989, 0.2796, 0.2688



50.4989, 0.3801, 0.3336



50.4989, 0.3434, 0.3966



50.4989, 0.2495, 0.3183

Rectangle

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



50.4989, 0.2796, 0.2688



50.4989, 0.3413, 0.2954



50.4989, 0.3434, 0.3966



50.4989, 0.2825, 0.3663

Sweetspot

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



50.5010, 0.2796, 0.2688



86.2089, 0.3031, 0.3113



72.4782, 0.2800, 0.3241



18.2107, 0.3022, 0.3096



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.



50.5010, 0.2796, 0.2688



55.1160, 0.2719, 0.2552



53.9198, 0.2984, 0.2720



14.6196, 0.2995, 0.3047



3.4646, 0.1534, 0.0619



0.2960, 0.1613, 0.0662

Inverse Universe

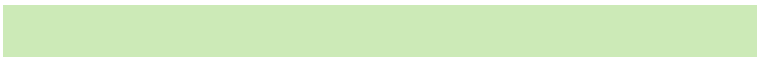
The Inverse Universe completely reimagines the original color for something new.



57.0220, 0.3191, 0.2798



64.3342, 0.3205, 0.2699



75.1549, 0.3243, 0.3872



15.2868, 0.3153, 0.3080



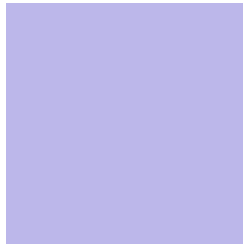
12.4842, 0.3472, 0.1686



0.9877, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 50.4989, 0.2796, 0.2688 looks on a white background.

Color Contrast Check

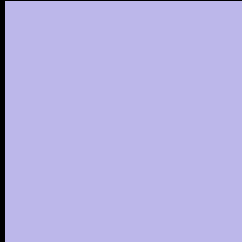
Large Text (above 18pt) WCAG AA × Fail

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 50.4989, 0.2796, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

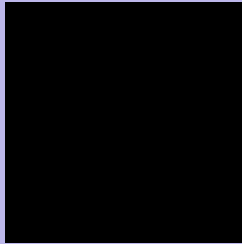
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4989, 0.2796, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 50.4989, 0.2796, 0.2688.



This preview shows how white text looks on a background with the Yxy color 50.4989, 0.2796, 0.2688.

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

50.4989, 0.2796, 0.2688

Protanopia

50.4040, 0.2700, 0.2689

Deuteranopia

50.2888, 0.2760, 0.2694



Tritanopia

50.2233, 0.2967, 0.3101

Trichromacy



Original Color

50.4989, 0.2796, 0.2688

Protanomaly

50.3994, 0.2733, 0.2692

Deuteranomaly

50.5358, 0.2775, 0.2697

Tritanomaly

50.1632, 0.2904, 0.2945

Monochromacy



Original Color

50.4989, 0.2796, 0.2688

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.8157, 0.3001, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4989, 0.2796, 0.2688 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, 183, 234)` looks like.

```
.text, #text, p{  
    color:rgb(188, 183, 234)  
}
```

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, 183, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 183, 234) }
```

Border

The CSS property to change the border of an element to Yxy 50.4989, 0.2796, 0.2688 is called "border". The border property can be set on classes, ids or directly on the HTML element.

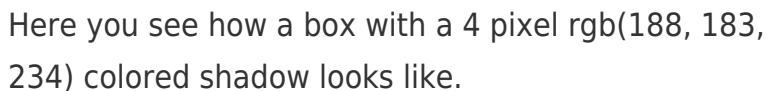
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 183, 234) }
```

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

```
.border{ border-color:rgb(188, 183, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 183, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 183, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 183, 234); box-shadow:4px 4px 4px 4px rgb(188, 183, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4989, 0.2796, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 183, 234) }
```

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

```
.background{ background-color: rgb(188,  
183, 234) }
```

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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