

Converting Colors

$Y_{xy}(48.8812, 0.2852, 0.2643)$

Have a look what the booklet for
Yxy(48.8812, 0.2852, 0.2643)
contains.

Yxy(48.7398, 0.2851, 0.2645)	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(48.7398, 0.2851, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	C2B1E8
RGB	194, 177, 232
RGB Percent	76%, 69%, 91%
CMY	0.2392, 0.3059, 0.0901
CMYK	0.16, 0.24, 0.00, 0.09
HSL	259°, 54%, 80%
HSV	259°, 24%, 91%
XYZ	52.5358, 48.7398, 82.9959
YIQ	188.3530, -7.5230, 20.7090

Conversions

Conversions Part 2

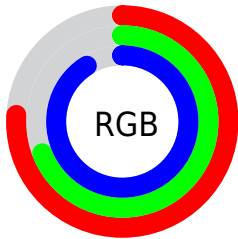
Format	Color
R_{YB}	194, 177, 232
Decimal	12759528
CIE _{Lab}	75.29, 16.85, -25.30
CIE _{LCh}	75, 30.399, 303.664
Yxy	48.7398, 0.2851, 0.2645
Android (android.graphics.Color)	4290949608 (0xFFC2B1E8)
YUV	188.3530, 21.5180, 4.9524
Hunter-Lab	69.8139, 12.1491, -21.6152

Details

The Yxy color $48.7398, 0.2851, 0.2645$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $75.3502, 0.3361, 0.3906$, and the grayscale version is $50.3799, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.0071, 0.3111, 0.3076$, and $23.1253, 0.2776, 0.2482$ is the 20% darker color. If you saturate the color by 10%, you get $38.3331, 0.2707, 0.2335$, and if you desaturate by 10%, it is $60.9377, 0.2979, 0.2935$.

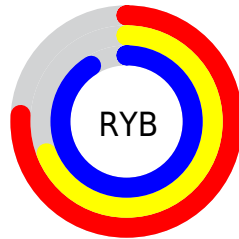
Distribution



Red (76%)

Green (69%)

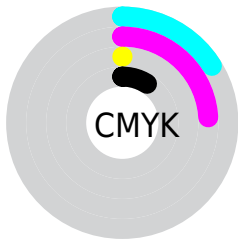
Blue (91%)



Red (76%)

Yellow (69%)

Blue (91%)

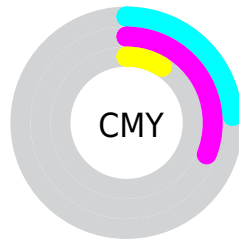


Cyan (16%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (24%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7398, 0.2851, 0.2645 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 48.7398, 0.2851, 0.2645 by changing the saturation by 10% instead.

■ 48.7398, 0.2851,
0.2645

■ 48.7398, 0.2851,
0.2645

381.7171, 0.2990,
0.2951

■ 34.4131, 0.2816,
0.2574

■ 88.3049, 0.2902,
0.2753

■ 23.2111, 0.2772,
0.2485

114.3121, 0.2921,
0.2794

■ 14.7495, 0.2713,
0.2371

144.9815, 0.2937,
0.2830

■ 8.6438, 0.2632,
0.2222

180.6977, 0.2951,
0.2860

■ 4.5096, 0.2515,
0.2017

221.8449, 0.2963,
0.2887

■ 1.9625, 0.2331,
0.1723

268.8076, 0.2973,

■ 0.5855, 0.2028,

0.2911

0.1219

321.9702, 0.2982,
0.2932

0.0000, 0.0000,
0.0000

48.7398, 0.2851,
0.2645

48.7398, 0.2851,
0.2645

38.3331, 0.2707,
0.2335

60.9377, 0.2979,
0.2935

29.6256, 0.2548,
0.2012

75.0010, 0.3090,
0.3199

22.5260, 0.2379,
0.1690

91.0068, 0.3185,
0.3436

16.9319, 0.2206,
0.1387

98.6073, 0.3262,
0.3512

12.7285, 0.2040,
0.1122

■ 9.7840, 0.1890,
0.0912

■ 7.9392, 0.1765,
0.0770

■ 7.1912, 0.1700,
0.0710

Harmonies

Analogous

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



48.7398, 0.2530, 0.2623



48.7398, 0.2851, 0.2645



48.7398, 0.3268, 0.2813

Triad

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



48.7398, 0.2851, 0.2645



48.7398, 0.3943, 0.3749



48.7398, 0.2597, 0.3476

Complementary

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



48.7398, 0.2851, 0.2645



75.3502, 0.3361, 0.3906

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.



48.7398, 0.2949, 0.3848



48.7398, 0.2851, 0.2645



48.7398, 0.3732, 0.3985

Square

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



48.7398, 0.2851, 0.2645



48.7398, 0.3923, 0.3423



48.7398, 0.3365, 0.4037



48.7398, 0.2391, 0.3071

Rectangle

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



48.7398, 0.2851, 0.2645



48.7398, 0.3546, 0.2988



48.7398, 0.3365, 0.4037



48.7398, 0.2701, 0.3612

Sweetspot

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



48.7418, 0.2851, 0.2645



86.8698, 0.3055, 0.3114



64.0383, 0.2762, 0.3095



18.3633, 0.3048, 0.3098



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.



48.7418, 0.2851, 0.2645



54.4063, 0.2789, 0.2510



52.6482, 0.3065, 0.2685



14.1019, 0.3028, 0.3050



4.0500, 0.1715, 0.0718



0.3470, 0.1872, 0.0805

Inverse Universe

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



53.5132, 0.3291, 0.2874



61.2556, 0.3329, 0.2793



71.5906, 0.3170, 0.3944



14.5355, 0.3185, 0.3129



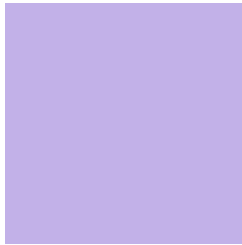
10.9639, 0.4176, 0.2074



0.8267, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 48.7398, 0.2851, 0.2645 looks on a white background.

Color Contrast Check

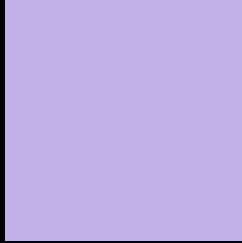
Large Text (above 18pt) WCAG AA × Fail

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 48.7398, 0.2851, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

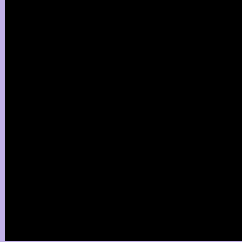
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7398, 0.2851, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 48.7398, 0.2851, 0.2645.



This preview shows how white text looks on a background with the Yxy color 48.7398, 0.2851, 0.2645.

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

48.7398, 0.2851, 0.2645

Protanopia

48.7521, 0.2662, 0.2636

Deuteranopia

48.9287, 0.2756, 0.2699



Tritanopia

48.6356, 0.3053, 0.3102

Trichromacy



Original Color

48.7398, 0.2851, 0.2645

Protanomaly

48.7492, 0.2729, 0.2643

Deuteranomaly

48.7263, 0.2792, 0.2680

Tritanomaly

48.6480, 0.2979, 0.2934

Monochromacy



Original Color

48.7398, 0.2851, 0.2645

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.5878, 0.3024, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7398, 0.2851, 0.2645 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(194, 177, 232)` looks like.

```
.text, #text, p{  
    color:rgb(194, 177, 232)  
}
```

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(194, 177, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 177, 232) }
```

Border

The CSS property to change the border of an element to Yxy 48.7398, 0.2851, 0.2645 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(194, 177, 232) }
```

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

```
.border{ border-color:rgb(194, 177, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 177, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 177, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 177, 232);  
box-shadow:4px 4px 4px 4px rgb(194, 177,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7398, 0.2851, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 177, 232) }
```

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

```
.background{ background-color: rgb(194,  
177, 232) }
```

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