

Converting Colors

$Y_{xy}(47.0233, 0.2735, 0.2496)$

Have a look what the booklet for
Yxy(47.0233, 0.2735, 0.2496)
contains.

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Color

Yxy(46.8028, 0.2734, 0.2494)

Conversions

Conversions Part 1

Format	Color
Hex	BBADF1
RGB	187, 173, 241
RGB Percent	73%, 68%, 95%
CMY	0.2668, 0.3215, 0.0549
CMYK	0.22, 0.28, 0.00, 0.05
HSL	252°, 71%, 81%
HSV	252°, 28%, 95%
XYZ	51.3067, 46.8028, 89.5521
YIQ	184.9380, -13.4840, 24.1160

Conversions

Conversions Part 2

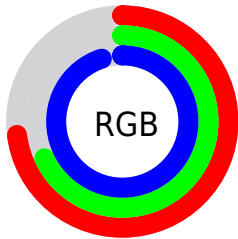
Format	Color
RYB	187, 173, 241
Decimal	12299761
CIELab	74.06, 18.91, -32.10
CIELCh	74, 37.258, 300.498
Yxy	46.8028, 0.2734, 0.2494
Android (android.graphics.Color)	4290489841 (0xFFBBADF1)
YUV	184.9380, 27.6386, 1.8084
Hunter-Lab	68.4126, 14.1458, -29.7219

Details

The Yxy color **46.8028, 0.2734, 0.2494** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **82.2730, 0.3454, 0.4020**, and the grayscale version is **48.3271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9399, 0.3066, 0.3023**, and **22.1641, 0.2624, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **36.1227, 0.2561, 0.2166**, and if you desaturate by 10%, it is **59.4760, 0.2890, 0.2801**.

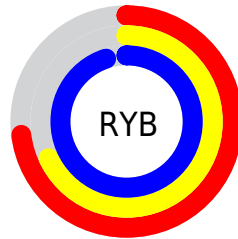
Distribution



Red (73%)

Green (68%)

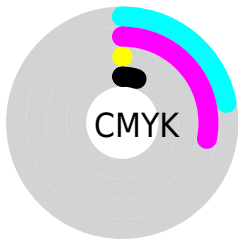
Blue (95%)



Red (73%)

Yellow (68%)

Blue (95%)

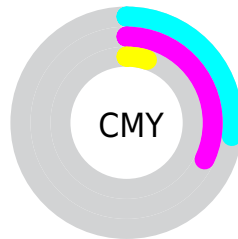


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (32%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8028, 0.2734, 0.2494 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 46.8028, 0.2734, 0.2494 by changing the saturation by 10% instead.

■ 46.8028, 0.2734,
0.2494

■ 46.8028, 0.2734,
0.2494

374.0268, 0.2932,
0.2870

■ 32.8798, 0.2685,
0.2407

■ 85.4192, 0.2806,
0.2625

■ 22.0344, 0.2623,
0.2300

110.8814, 0.2833,
0.2676

■ 13.8822, 0.2541,
0.2164

140.9587, 0.2856,
0.2720

■ 8.0387, 0.2429,
0.1986

176.0356, 0.2875,
0.2758

■ 4.1198, 0.2269,
0.1748

216.4965, 0.2892,
0.2791

■ 1.7408, 0.2028,
0.1418

262.7257, 0.2907,

■ 0.4498, 0.1655,

0.2820

0.0836

315.1077, 0.2920,
0.2847

0.0000, 0.0000,
0.0000

46.8028, 0.2734,
0.2494

46.8028, 0.2734,
0.2494

36.1227, 0.2561,
0.2166

59.4760, 0.2890,
0.2801

27.3279, 0.2376,
0.1828

74.2317, 0.3028,
0.3082

20.3085, 0.2186,
0.1499

91.1604, 0.3147,
0.3333

14.9411, 0.2003,
0.1198

99.1312, 0.3209,
0.3425

11.0859, 0.1838,
0.0949

■ 8.5794, 0.1703,
0.0770

■ 7.1976, 0.1606,
0.0665

■ 7.0146, 0.1592,
0.0650

Harmonies

Analogous

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



46.8028, 0.2365, 0.2482



46.8028, 0.2734, 0.2494



46.8028, 0.3240, 0.2680

Triad

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



46.8028, 0.2734, 0.2494



46.8028, 0.4150, 0.3801



46.8028, 0.2510, 0.3574

Complementary

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



46.8028, 0.2734, 0.2494



82.2730, 0.3454, 0.4020

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.



46.8028, 0.2952, 0.4035



46.8028, 0.2734, 0.2494



46.8028, 0.3908, 0.4122

Square

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



46.8028, 0.2734, 0.2494



46.8028, 0.4098, 0.3397



46.8028, 0.3465, 0.4234



46.8028, 0.2243, 0.3058

Rectangle

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



46.8028, 0.2734, 0.2494



46.8028, 0.3593, 0.2882



46.8028, 0.3465, 0.4234



46.8028, 0.2642, 0.3746

Sweetspot

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



46.8047, 0.2734, 0.2494



84.7208, 0.3030, 0.3087



70.3990, 0.2701, 0.3133



17.5571, 0.3011, 0.3046



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.



46.8047, 0.2734, 0.2494



45.7849, 0.2634, 0.2303



51.5560, 0.2995, 0.2551



15.3848, 0.3011, 0.3048



3.8493, 0.1603, 0.0657



0.3611, 0.1722, 0.0722

Inverse Universe

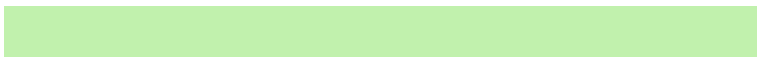
The Inverse Universe completely reimagines the original color for something new.



54.1453, 0.3272, 0.2721



55.5036, 0.3309, 0.2601



77.3235, 0.3221, 0.4077



15.9726, 0.3169, 0.3104



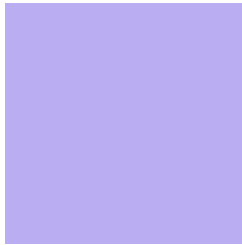
12.2149, 0.3807, 0.1871



1.0300, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 46.8028, 0.2734, 0.2494 looks on a white background.

Color Contrast Check

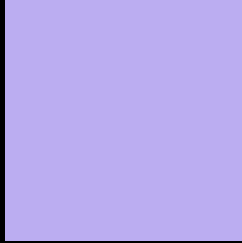
Large Text (above 18pt) WCAG AA × Fail

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 46.8028, 0.2734, 0.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

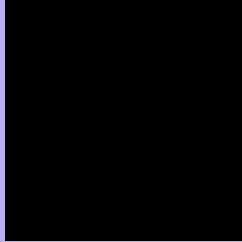
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8028, 0.2734, 0.2494

Background



This preview shows how black text looks on a background with the Yxy color 46.8028, 0.2734, 0.2494.



This preview shows how white text looks on a background with the Yxy color 46.8028, 0.2734, 0.2494.

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

46.8028, 0.2734, 0.2494

Protanopia

47.0829, 0.2544, 0.2493

Deuteranopia

46.8563, 0.2611, 0.2549



Tritanopia

47.0251, 0.2994, 0.3110

Trichromacy



Original Color

46.8028, 0.2734, 0.2494

Protanomaly

46.7466, 0.2612, 0.2489

Deuteranomaly

46.8495, 0.2658, 0.2534

Tritanomaly

46.9387, 0.2900, 0.2878

Monochromacy



Original Color

46.8028, 0.2734, 0.2494

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.8946, 0.2984, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8028, 0.2734, 0.2494 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(187, 173, 241)` looks like.

```
.text, #text, p{  
    color:rgb(187, 173, 241)  
}
```

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(187, 173, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 173, 241) }
```

Border

The CSS property to change the border of an element to Yxy 46.8028, 0.2734, 0.2494 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(187, 173, 241) }
```

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

```
.border{ border-color:rgb(187, 173, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 173, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 173, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 173, 241);  
box-shadow:4px 4px 4px 4px rgb(187, 173,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8028, 0.2734, 0.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 173, 241) }
```

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

```
.background{ background-color: rgb(187,  
173, 241) }
```

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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