

Converting Colors

$Y_{xy}(46.8286, 0.2824, 0.2745)$

Have a look what the booklet for
Yxy(46.8286, 0.2824, 0.2745)
contains.

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Color

Yxy(46.9385, 0.2821, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	B5B2DE
RGB	181, 178, 222
RGB Percent	71%, 70%, 87%
CMY	0.2901, 0.3020, 0.1293
CMYK	0.18, 0.20, 0.00, 0.13
HSL	244°, 40%, 78%
HSV	244°, 20%, 87%
XYZ	48.1679, 46.9385, 75.6412
YIQ	183.9130, -12.3360, 14.3200

Conversions

Conversions Part 2

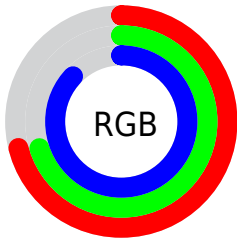
Format	Color
RYB	181, 178, 222
Decimal	11907806
CIELab	74.15, 10.06, -21.70
CIELCh	74, 23.917, 294.865
Yxy	46.9385, 0.2821, 0.2749
Android (android.graphics.Color)	4290097886 (0xFFB5B2DE)
YUV	183.9130, 18.7769, -2.5547
Hunter-Lab	68.5117, 5.6009, -17.5017

Details

The Yxy color **46.9385, 0.2821, 0.2749** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.5242, 0.3402, 0.3786**, and the grayscale version is **47.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0702, 0.3019, 0.3080**, and **22.0464, 0.2736, 0.2598** is the 20% darker color. If you saturate the color by 10%, you get **36.4925, 0.2638, 0.2430**, and if you desaturate by 10%, it is **59.1888, 0.2985, 0.3038**.

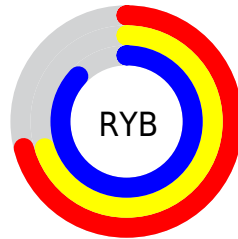
Distribution



Red (71%)

Green (70%)

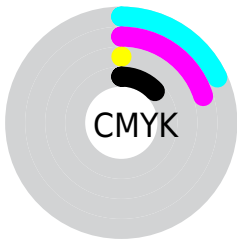
Blue (87%)



Red (71%)

Yellow (70%)

Blue (87%)

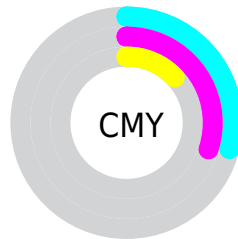


Cyan (18%)

Magenta (20%)

Yellow (0%)

Black (13%)



Cyan (29%)

Magenta (30%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9385, 0.2821, 0.2749 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 46.9385, 0.2821, 0.2749 by changing the saturation by 10% instead.

■ 46.9385, 0.2821,
0.2749

■ 46.9385, 0.2821,
0.2749

374.5690, 0.2974,
0.3011

■ 32.9870, 0.2783,
0.2686

■ 85.6218, 0.2877,
0.2842

■ 22.1165, 0.2734,
0.2608

111.1225, 0.2898,
0.2878

■ 13.9425, 0.2670,
0.2506

141.2416, 0.2915,
0.2908

■ 8.0807, 0.2581,
0.2369

176.3637, 0.2931,
0.2934

■ 4.1466, 0.2451,
0.2177

216.8731, 0.2944,
0.2957

■ 1.7559, 0.2247,
0.1891

263.1542, 0.2955,

■ 0.4595, 0.1901,

0.2977

0.1280

315.5913, 0.2965,
0.2995

0.0000, 0.0000,
0.0000

46.9385, 0.2821,
0.2749

46.9385, 0.2821,
0.2749

36.4925, 0.2638,
0.2430

59.1888, 0.2985,
0.3038

27.7602, 0.2438,
0.2088

73.3171, 0.3129,
0.3294

20.6517, 0.2231,
0.1737

89.3997, 0.3254,
0.3518

15.0666, 0.2027,
0.1398

98.0549, 0.3321,
0.3611

10.8933, 0.1841,
0.1095

■ 8.0051, 0.1688,
0.0855

■ 6.2523, 0.1580,
0.0694

■ 5.3904, 0.1518,
0.0611

■ 5.3791, 0.1518,
0.0610

Harmonies

Analogous

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



46.9385, 0.2593, 0.2774



46.9385, 0.2821, 0.2749



46.9385, 0.3141, 0.2852

Triad

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



46.9385, 0.2821, 0.2749



46.9385, 0.3792, 0.3594



46.9385, 0.2777, 0.3533

Complementary

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



46.9385, 0.2821, 0.2749



70.5242, 0.3402, 0.3786

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.



46.9385, 0.3085, 0.3790



46.9385, 0.2821, 0.2749



46.9385, 0.3678, 0.3806

Square

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



46.9385, 0.2821, 0.2749



46.9385, 0.3717, 0.3323



46.9385, 0.3416, 0.3888



46.9385, 0.2569, 0.3211

Rectangle

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



46.9385, 0.2821, 0.2749



46.9385, 0.3368, 0.2980



46.9385, 0.3416, 0.3888



46.9385, 0.2872, 0.3631

Sweetspot

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



46.9404, 0.2821, 0.2749



88.0214, 0.3042, 0.3139



65.4460, 0.2829, 0.3254



18.5735, 0.3032, 0.3122



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.



46.9404, 0.2821, 0.2749



57.7231, 0.2743, 0.2613



49.8014, 0.2994, 0.2776



13.2882, 0.2991, 0.3048



3.2117, 0.1523, 0.0612



0.2387, 0.1587, 0.0648

Inverse Universe

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



52.4844, 0.3174, 0.2832



66.7058, 0.3186, 0.2729



67.3467, 0.3238, 0.3812



13.9185, 0.3148, 0.3075



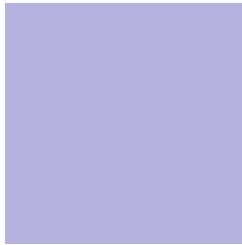
11.8980, 0.3389, 0.1641



0.8297, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 46.9385, 0.2821, 0.2749 looks on a white background.

Color Contrast Check

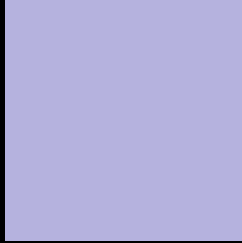
Large Text (above 18pt) WCAG AA × Fail

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 46.9385, 0.2821, 0.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

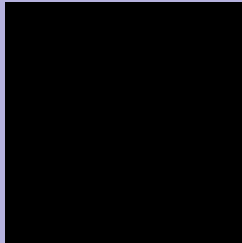
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9385, 0.2821, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 46.9385, 0.2821, 0.2749.



This preview shows how white text looks on a background with the Yxy color 46.9385, 0.2821, 0.2749.

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

46.9385, 0.2821, 0.2749

Protanopia

46.7950, 0.2741, 0.2742

Deuteranopia

46.8180, 0.2813, 0.2748



Tritanopia

46.8342, 0.2971, 0.3096

Trichromacy



Original Color

46.9385, 0.2821, 0.2749

Protanomaly

46.6819, 0.2769, 0.2744

Deuteranomaly

46.8180, 0.2813, 0.2748

Tritanomaly

46.9690, 0.2912, 0.2972

Monochromacy



Original Color

46.9385, 0.2821, 0.2749

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.6004, 0.3012, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9385, 0.2821, 0.2749 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(181, 178, 222)` looks like.

```
.text, #text, p{  
    color:rgb(181, 178, 222)  
}
```

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(181, 178, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 178, 222) }
```

Border

The CSS property to change the border of an element to Yxy 46.9385, 0.2821, 0.2749 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(181, 178, 222) }
```

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

```
.border{ border-color:rgb(181, 178, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 178, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 178, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 178, 222);  
box-shadow:4px 4px 4px 4px rgb(181, 178,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9385, 0.2821, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 178, 222) }
```

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

```
.background{ background-color: rgb(181,  
178, 222) }
```

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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