

Converting Colors

Yxy(46.8980, 0.3103, 0.2693)

Have a look what the booklet for
Yxy(46.8980, 0.3103, 0.2693)
contains.

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Color

Yxy(46.8980, 0.3103, 0.2693)

Conversions

Conversions Part 1

Format	Color
Hex	D5A7DB
RGB	213, 167, 219
RGB Percent	84%, 65%, 86%
CMY	0.1648, 0.3450, 0.1412
CMYK	0.03, 0.24, 0.00, 0.14
HSL	293°, 42%, 76%
HSV	293°, 24%, 86%
XYZ	54.0381, 46.8980, 73.2117
YIQ	186.6820, 10.7240, 25.9240

Conversions

Conversions Part 2

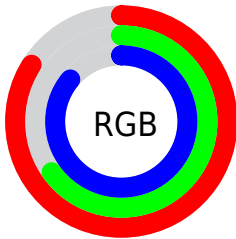
Format	Color
R _Y B	213, 167, 219
Decimal	14002139
CIE Lab	74.12, 25.75, -19.83
CIE LCh	74, 32.496, 322.399
Yxy	46.8980, 0.3103, 0.2693
Android (android.graphics.Color)	4292192219 (0xFFD5A7DB)
YUV	186.6820, 15.9328, 23.0809
Hunter-Lab	68.4821, 21.0076, -15.4473

Details

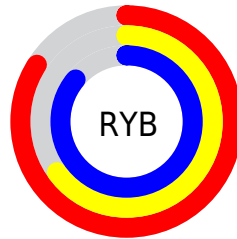
The Yxy color **46.8980, 0.3103, 0.2693** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.3341, 0.3138, 0.3949**, and the grayscale version is **49.4098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **22.2109, 0.3091, 0.2549** is the 20% darker color. If you saturate the color by 10%, you get **39.1675, 0.3087, 0.2437**, and if you desaturate by 10%, it is **55.9971, 0.3115, 0.2950**.

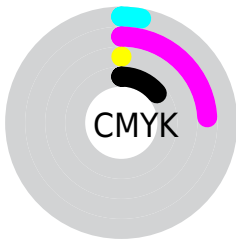
Distribution



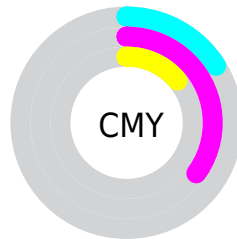
- Red (84%)
- Green (65%)
- Blue (86%)



- Red (84%)
- Yellow (65%)
- Blue (86%)



- Cyan (3%)
- Magenta (24%)
- Yellow (0%)
- Black (14%)





- Cyan (16%)
- Magenta (35%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8980, 0.3103, 0.2693 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 46.8980, 0.3103, 0.2693 by changing the saturation by 10% instead.


 46.8980, 0.3103,
0.2693

 46.8980, 0.3103,
0.2693


374.4072, 0.3120,
0.2977

 32.9550, 0.3097,
0.2626


 85.5613, 0.3110,
0.2793

 22.0920, 0.3089,
0.2543


 111.0505, 0.3113,
0.2831

 13.9245, 0.3077,
0.2437


141.1572, 0.3115,
0.2864

 8.0682, 0.3059,
0.2296

176.2658, 0.3116,
0.2893

 4.1386, 0.3028,
0.2101

216.7607, 0.3118,
0.2918

 1.7514, 0.2969,
0.1816

263.0263, 0.3119,

 0.4566, 0.2890,

0.2940

0.1219

315.4470, 0.3120,
0.2959

0.0000, 0.0149,
0.0000

0.0000, 0.0000,
0.0000

46.8980, 0.3103,
0.2693

46.8980, 0.3103,
0.2693

39.1675, 0.3087,
0.2437

55.9971, 0.3115,
0.2950

32.7310, 0.3069,
0.2189

66.5222, 0.3124,
0.3200

27.5162, 0.3046,
0.1961

78.5350, 0.3131,
0.3438

23.4412, 0.3021,
0.1762

92.0917, 0.3135,
0.3660

■ 20.4140, 0.2994,
0.1601

■ 92.7445, 0.3151,
0.3662

■ 18.3282, 0.2964,
0.1483

■ 93.1562, 0.3167,
0.3660

■ 17.0549, 0.2935,
0.1410

■ 93.5740, 0.3183,
0.3659

■ 16.5373, 0.2916,
0.1380

■ 93.9979, 0.3199,
0.3657

■ 94.4279, 0.3215,
0.3655

Harmonies

Analogous

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



46.8980, 0.2681, 0.2568



46.8980, 0.3103, 0.2693



46.8980, 0.3562, 0.2951

Triad

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



46.8980, 0.3103, 0.2693



46.8980, 0.3891, 0.3961



46.8980, 0.2395, 0.3208

Complementary

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



46.8980, 0.3103, 0.2693



62.3341, 0.3138, 0.3949

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.



46.8980, 0.2681, 0.3658



46.8980, 0.3103, 0.2693



46.8980, 0.3543, 0.4109

Square

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



46.8980, 0.3103, 0.2693



46.8980, 0.4034, 0.3655



46.8980, 0.3099, 0.4005



46.8980, 0.2296, 0.2827

Rectangle

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



46.8980, 0.3103, 0.2693



46.8980, 0.3817, 0.3173



46.8980, 0.3099, 0.4005



46.8980, 0.2471, 0.3358

Sweetspot

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



46.9000, 0.3103, 0.2693



88.7457, 0.3122, 0.3118



43.2493, 0.2730, 0.2703



18.7980, 0.3121, 0.3102



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.



46.9000, 0.3103, 0.2693



61.0620, 0.3096, 0.2577



46.8284, 0.3324, 0.2918



13.1944, 0.3120, 0.3058



9.8382, 0.2920, 0.1382



0.6595, 0.2970, 0.1410

Inverse Universe

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



45.7202, 0.3562, 0.3220



59.1746, 0.3672, 0.3205



62.4585, 0.2971, 0.3694



13.0759, 0.3274, 0.3263



8.9806, 0.6252, 0.3218



0.5902, 0.5913, 0.3031

Previews

White Background



This preview shows how the Yxy color 46.8980, 0.3103, 0.2693 looks on a white background.

Color Contrast Check

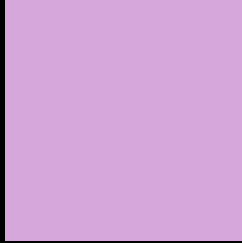
Large Text (above 18pt) WCAG AA × Fail

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 46.8980, 0.3103, 0.2693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

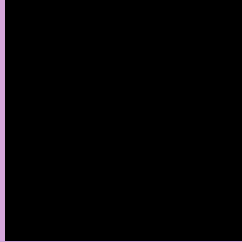
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8980, 0.3103, 0.2693

Background



This preview shows how black text looks on a background with the Yxy color 46.8980, 0.3103, 0.2693.



This preview shows how white text looks on a background with the Yxy color 46.8980, 0.3103, 0.2693.

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

46.8980, 0.3103, 0.2693

Protanopia

47.3071, 0.2709, 0.2708

Deuteranopia

46.9178, 0.2872, 0.2808



Tritanopia

46.8422, 0.3332, 0.3133

Trichromacy



Original Color

46.8980, 0.3103, 0.2693

Protanomaly

46.9260, 0.2837, 0.2697

Deuteranomaly

46.8034, 0.2951, 0.2760

Tritanomaly

46.9047, 0.3249, 0.2968

Monochromacy



Original Color

46.8980, 0.3103, 0.2693

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.5018, 0.3113, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8980, 0.3103, 0.2693 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(213, 167, 219)` looks like.

```
.text, #text, p{  
    color:rgb(213, 167, 219)  
}
```

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(213, 167, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 167, 219) }
```

Border

The CSS property to change the border of an element to Yxy 46.8980, 0.3103, 0.2693 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(213, 167, 219) }
```

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

```
.border{ border-color:rgb(213, 167, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 167, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 167, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 167, 219);  
box-shadow:4px 4px 4px 4px rgb(213, 167,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8980, 0.3103, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 167, 219) }
```

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

```
.background{ background-color: rgb(213,  
167, 219) }
```

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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