

Converting Colors

$Y_{xy}(46.7280, 0.3109, 0.2937)$

Have a look what the booklet for
Yxy(46.7280, 0.3109, 0.2937)
contains.

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Color

Yxy(46.7260, 0.3109, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	C7AECB
RGB	199, 174, 203
RGB Percent	78%, 68%, 80%
CMY	0.2197, 0.3176, 0.2040
CMYK	0.02, 0.14, 0.00, 0.20
HSL	292°, 22%, 74%
HSV	292°, 14%, 80%
XYZ	49.4624, 46.7260, 62.9059
YIQ	184.7810, 5.5910, 14.3190

Conversions

Conversions Part 2

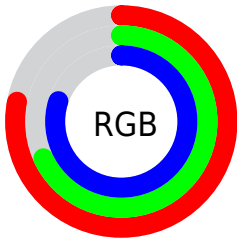
Format	Color
R _Y B	199, 174, 203
Decimal	13086411
CIE Lab	74.01, 14.18, -11.38
CIE LCh	74, 18.183, 321.266
Yxy	46.7260, 0.3109, 0.2937
Android (android.graphics.Color)	4291276491 (0xFFC7AECB)
YUV	184.7810, 8.9820, 12.4701
Hunter-Lab	68.3564, 9.5381, -6.7129

Details

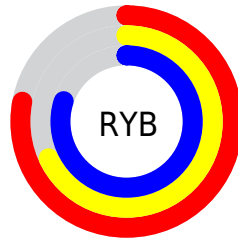
The Yxy color $46.7260, 0.3109, 0.2937$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $55.2332, 0.3141, 0.3662$, and the grayscale version is $48.3340, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.0736, 0.3138, 0.3048$, and $22.1087, 0.3101, 0.2849$ is the 20% darker color. If you saturate the color by 10%, you get $39.0862, 0.3092, 0.2680$, and if you desaturate by 10%, it is $55.5622, 0.3122, 0.3187$.

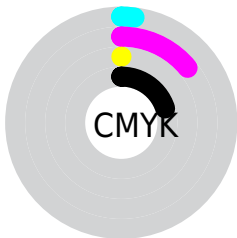
Distribution



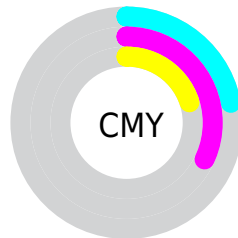
- Red (78%)
- Green (68%)
- Blue (80%)



- Red (78%)
- Yellow (68%)
- Blue (80%)



- Cyan (2%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)




- Cyan (22%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7260, 0.3109, 0.2937 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 46.7260, 0.3109, 0.2937 by changing the saturation by 10% instead.

 46.7260, 0.3109,
0.2937

 46.7260, 0.3109,
0.2937


373.7198, 0.3120,
0.3109

 32.8191, 0.3106,
0.2895


 85.3045, 0.3113,
0.2998

 21.9879, 0.3101,
0.2843


110.7449, 0.3115,
0.3022

 13.8480, 0.3095,
0.2774


140.7985, 0.3116,
0.3042

 8.0150, 0.3085,
0.2681

175.8498, 0.3117,
0.3059

 4.1046, 0.3069,
0.2547

216.2832, 0.3118,
0.3074

 1.7322, 0.3038,
0.2339

262.4831, 0.3119,

 0.4444, 0.3041,

0.3087

0.1758

314.8338, 0.3119,
0.3099

0.0000, 0.0000,
0.0000

46.7260, 0.3109,
0.2937

46.7260, 0.3109,
0.2937

39.0862, 0.3092,
0.2680

55.5622, 0.3122,
0.3187

32.5838, 0.3071,
0.2423

65.6384, 0.3133,
0.3424

27.1637, 0.3046,
0.2174

77.0037, 0.3140,
0.3646

22.7638, 0.3018,
0.1943

89.5670, 0.3145,
0.3849

19.3158, 0.2986,
0.1742

89.9843, 0.3163,
0.3846

■ 16.7430, 0.2951,
0.1577

■ 90.4090, 0.3181,
0.3843

■ 14.9566, 0.2916,
0.1456

■ 90.8410, 0.3198,
0.3840

■ 13.8491, 0.2880,
0.1379

■ 91.2803, 0.3216,
0.3837

■ 13.4078, 0.2859,
0.1349

■ 91.7271, 0.3234,
0.3834

Harmonies

Analogous

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



46.7260, 0.2868, 0.2869



46.7260, 0.3109, 0.2937



46.7260, 0.3364, 0.3090

Triad

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



46.7260, 0.3109, 0.2937



46.7260, 0.3565, 0.3672



46.7260, 0.2712, 0.3263

Complementary

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



46.7260, 0.3109, 0.2937



55.2332, 0.3141, 0.3662

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.



46.7260, 0.2886, 0.3501



46.7260, 0.3109, 0.2937



46.7260, 0.3378, 0.3742

Square

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



46.7260, 0.3109, 0.2937



46.7260, 0.3633, 0.3505



46.7260, 0.3129, 0.3681



46.7260, 0.2646, 0.3044

Rectangle

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



46.7260, 0.3109, 0.2937



46.7260, 0.3505, 0.3222



46.7260, 0.3129, 0.3681



46.7260, 0.2760, 0.3344

Sweetspot

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



46.7280, 0.3109, 0.2937



93.3966, 0.3123, 0.3192



45.2968, 0.2902, 0.2972



19.7331, 0.3122, 0.3174



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.



46.7280, 0.3109, 0.2937



74.2701, 0.3104, 0.2862



46.8169, 0.3227, 0.3060



11.3218, 0.3116, 0.3060



8.5632, 0.2864, 0.1351



0.4640, 0.2936, 0.1391

Inverse Universe

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



46.1890, 0.3354, 0.3241



73.2163, 0.3410, 0.3230



55.1755, 0.3039, 0.3532



11.2386, 0.3269, 0.3258



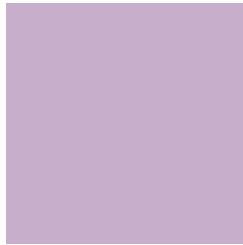
8.1418, 0.6203, 0.3191



0.4285, 0.5749, 0.2941

Previews

White Background



This preview shows how the Yxy color 46.7260, 0.3109, 0.2937 looks on a white background.

Color Contrast Check

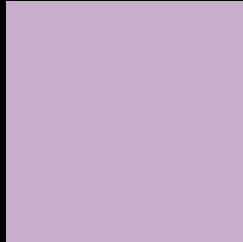
Large Text (above 18pt) WCAG AA × Fail

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 46.7260, 0.3109, 0.2937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

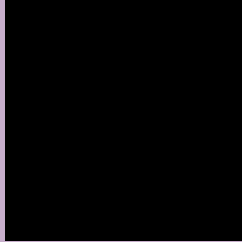
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7260, 0.3109, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 46.7260, 0.3109, 0.2937.



This preview shows how white text looks on a background with the Yxy color 46.7260, 0.3109, 0.2937.

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

46.7260, 0.3109, 0.2937

Protanopia

47.0177, 0.2905, 0.2960

Deuteranopia

46.6557, 0.3040, 0.2978



Tritanopia

46.6387, 0.3197, 0.3116

Trichromacy



Original Color

46.7260, 0.3109, 0.2937

Protanomaly

46.7361, 0.2976, 0.2940

Deuteranomaly

46.6524, 0.3065, 0.2968

Tritanomaly

46.6058, 0.3165, 0.3043

Monochromacy



Original Color

46.7260, 0.3109, 0.2937

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.8007, 0.3117, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7260, 0.3109, 0.2937 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(199, 174, 203)` looks like.

```
.text, #text, p{  
    color:rgb(199, 174, 203)  
}
```

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(199, 174, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 174, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.7260, 0.3109, 0.2937 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(199, 174, 203) }
```

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

```
.border{ border-color:rgb(199, 174, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 174, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 174, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 174, 203);  
box-shadow:4px 4px 4px 4px rgb(199, 174,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7260, 0.3109, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 174, 203) }
```

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

```
.background{ background-color: rgb(199,  
174, 203) }
```

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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