

Converting Colors

$Y_{xy}(46.2116, 0.3190, 0.2960)$

Have a look what the booklet for
Yxy(46.2116, 0.3190, 0.2960)
contains.

Yxy(46.0867, 0.3187, 0.2951)	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(46.0867, 0.3187, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	CCABC7
RGB	204, 171, 199
RGB Percent	80%, 67%, 78%
CMY	0.2000, 0.3294, 0.2195
CMYK	0.00, 0.16, 0.02, 0.20
HSL	309°, 24%, 74%
HSV	309°, 16%, 80%
XYZ	49.7724, 46.0867, 60.3141
YIQ	184.0590, 10.6800, 15.7040

Conversions

Conversions Part 2

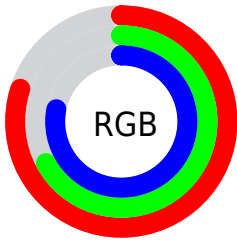
Format	Color
RYB	204, 171, 199
Decimal	13413319
CIELab	73.60, 16.80, -9.77
CIELCh	74, 19.433, 329.823
Yxy	46.0867, 0.3187, 0.2951
Android (android.graphics.Color)	4291603399 (0xFFCCABC7)
YUV	184.0590, 7.3659, 17.4883
Hunter-Lab	67.8872, 12.0671, -5.1549

Details

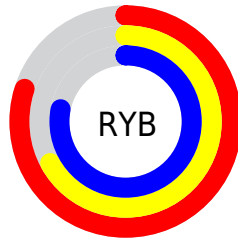
The Yxy color $46.0867, 0.3187, 0.2951$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $54.9730, 0.3073, 0.3654$, and the grayscale version is $47.9220, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8727, 0.3140, 0.3009$, and $21.7220, 0.3208, 0.2869$ is the 20% darker color. If you saturate the color by 10%, you get $38.8260, 0.3231, 0.2735$, and if you desaturate by 10%, it is $54.5435, 0.3148, 0.3163$.

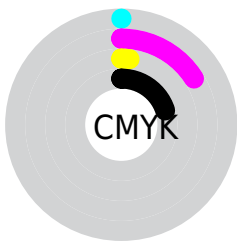
Distribution



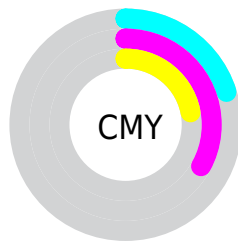
- Red (80%)
- Green (67%)
- Blue (78%)



- Red (80%)
- Yellow (67%)
- Blue (78%)



- Cyan (0%)
- Magenta (16%)
- Yellow (2%)
- Black (20%)





- Cyan (20%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0867, 0.3187, 0.2951 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 46.0867, 0.3187, 0.2951 by changing the saturation by 10% instead.


 46.0867, 0.3187,
0.2951

 46.0867, 0.3187,
0.2951


371.1571, 0.3159,
0.3116

 32.3142, 0.3193,
0.2911


 84.3487, 0.3177,
0.3010

 21.6016, 0.3201,
0.2860


109.6071, 0.3174,
0.3033

 13.5645, 0.3211,
0.2794


139.4629, 0.3170,
0.3052

 7.8184, 0.3224,
0.2704

174.3005, 0.3167,
0.3068

 3.9790, 0.3242,
0.2573

214.5044, 0.3165,
0.3083

 1.6618, 0.3265,
0.2370

260.4588, 0.3163,

 0.3987, 0.3411,

0.3095

0.1724

312.5483, 0.3161,
0.3106

0.0000, 0.0000,
0.0000

46.0867, 0.3187,
0.2951

46.0867, 0.3187,
0.2951

38.8260, 0.3231,
0.2735

54.5435, 0.3148,
0.3163

32.7011, 0.3279,
0.2522

64.2413, 0.3115,
0.3367

27.6553, 0.3332,
0.2320

75.2301, 0.3086,
0.3559

23.6249, 0.3388,
0.2138

87.5552, 0.3061,
0.3738

20.5391, 0.3446,
0.1986

89.2310, 0.3044,
0.3728

■ 18.3185, 0.3505,
0.1873

■ 89.3901, 0.3027,
0.3694

■ 16.8702, 0.3561,
0.1804

■ 89.5521, 0.3010,
0.3660

■ 16.0774, 0.3614,
0.1779

■ 89.7172, 0.2993,
0.3626

■ 15.8618, 0.3634,
0.1776

■ 89.8852, 0.2976,
0.3592

Harmonies

Analogous

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



46.0867, 0.2917, 0.2850



46.0867, 0.3187, 0.2951



46.0867, 0.3451, 0.3133

Triad

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



46.0867, 0.3187, 0.2951



46.0867, 0.3550, 0.3734



46.0867, 0.2650, 0.3187

Complementary

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



46.0867, 0.3187, 0.2951



54.9730, 0.3073, 0.3654

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.



46.0867, 0.2806, 0.3446



46.0867, 0.3187, 0.2951



46.0867, 0.3323, 0.3773

Square

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



46.0867, 0.3187, 0.2951



46.0867, 0.3665, 0.3577



46.0867, 0.3050, 0.3667



46.0867, 0.2616, 0.2972

Rectangle

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



46.0867, 0.3187, 0.2951



46.0867, 0.3583, 0.3282



46.0867, 0.3050, 0.3667



46.0867, 0.2689, 0.3272

Sweetspot

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



46.0887, 0.3187, 0.2951



92.0100, 0.3145, 0.3186



42.7126, 0.2907, 0.2864



19.4627, 0.3147, 0.3171



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.



46.0887, 0.3187, 0.2951



72.4263, 0.3200, 0.2885



45.3647, 0.3328, 0.3148



11.3735, 0.3160, 0.3095



9.9959, 0.3627, 0.1772



0.5238, 0.3533, 0.1720

Inverse Universe

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



46.0887, 0.3187, 0.2951



72.4263, 0.3200, 0.2885



55.6648, 0.2961, 0.3437



11.3735, 0.3160, 0.3095



9.9959, 0.3627, 0.1772



0.5238, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 46.0867, 0.3187, 0.2951 looks on a white background.

Color Contrast Check

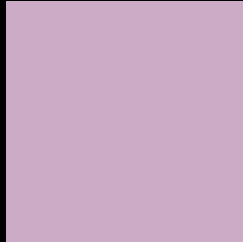
Large Text (above 18pt) WCAG AA × Fail

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 46.0867, 0.3187, 0.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

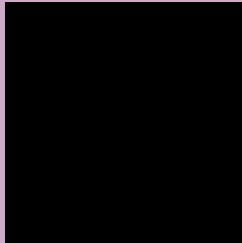
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0867, 0.3187, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 46.0867, 0.3187, 0.2951.



This preview shows how white text looks on a background with the Yxy color 46.0867, 0.3187, 0.2951.

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

46.0867, 0.3187, 0.2951

Protanopia

46.3493, 0.2919, 0.2983

Deuteranopia

46.2043, 0.3080, 0.3015



Tritanopia

46.0316, 0.3269, 0.3117

Trichromacy



Original Color

46.0867, 0.3187, 0.2951

Protanomaly

46.2733, 0.3015, 0.2976

Deuteranomaly

46.0851, 0.3124, 0.2993

Tritanomaly

45.9631, 0.3245, 0.3057

Monochromacy



Original Color

46.0867, 0.3187, 0.2951

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.9907, 0.3150, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0867, 0.3187, 0.2951 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(204, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(204, 171, 199)  
}
```

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(204, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 171, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.0867, 0.3187, 0.2951 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(204, 171, 199) }
```

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

```
.border{ border-color:rgb(204, 171, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 171, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(204, 171,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0867, 0.3187, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 171, 199) }
```

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

```
.background{ background-color: rgb(204,  
171, 199) }
```

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