

Converting Colors

$Y_{xy}(36.8500, 0.3166, 0.2871)$

Have a look what the booklet for
Yxy(36.8500, 0.3166, 0.2871)
contains.

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Color

Yxy(36.8500, 0.3166, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	BB99B9
RGB	187, 153, 185
RGB Percent	73%, 60%, 73%
CMY	0.2668, 0.3999, 0.2745
CMYK	0.00, 0.18, 0.01, 0.27
HSL	304°, 20%, 67%
HSV	304°, 18%, 73%
XYZ	40.6364, 36.8500, 50.8661
YIQ	166.8140, 9.9920, 17.1600

Conversions

Conversions Part 2

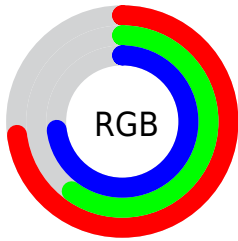
Format	Color
RYB	187, 153, 185
Decimal	12294585
CIELab	67.16, 18.20, -11.80
CIElCh	67, 21.694, 327.050
Yxy	36.8500, 0.3166, 0.2871
Android (android.graphics.Color)	4290484665 (0xFFBB99B9)
YUV	166.8140, 8.9657, 17.7031
Hunter-Lab	60.7042, 13.2585, -7.1881

Details

The Yxy color **36.8500, 0.3166, 0.2871** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.6704, 0.3089, 0.3748**, and the grayscale version is **38.5001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0312, 0.3158, 0.2943**, and **16.1552, 0.3166, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **31.1564, 0.3190, 0.2636**, and if you desaturate by 10%, it is **43.5062, 0.3144, 0.3104**.

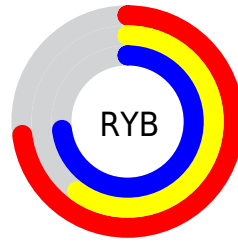
Distribution



Red (73%)

Green (60%)

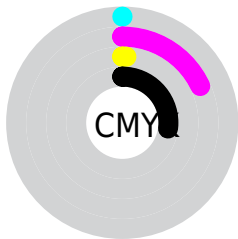
Blue (73%)



Red (73%)

Yellow (60%)

Blue (73%)

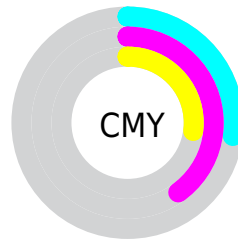


Cyan (0%)

Magenta (18%)

Yellow (1%)

Black (27%)



Cyan (27%)


Magenta (40%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8500, 0.3166, 0.2871 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 36.8500, 0.3166, 0.2871 by changing the saturation by 10% instead.


 36.8500, 0.3166,
0.2871


 36.8500, 0.3166,
0.2871


332.6606, 0.3149,
0.3082

 25.0914, 0.3170,
0.2818


 70.3420, 0.3160,
0.2948

 16.1451, 0.3174,
0.2750


 92.8442, 0.3158,
0.2977

 9.6269, 0.3178,
0.2659


119.6964, 0.3156,
0.3001

 5.1523, 0.3183,
0.2531

151.2829, 0.3154,
0.3022

 2.3369, 0.3187,
0.2340

187.9882, 0.3153,
0.3040

 0.7931, 0.3184,
0.2019

230.1967, 0.3151,

 0.0000, 0.2321,

0.3056

0.0000


278.2927, 0.3150,
0.3069


 0.0000, 0.0000,
0.0000


 36.8500, 0.3166,
0.2871


 36.8500, 0.3166,
0.2871


 31.1564, 0.3190,
0.2636


 43.5062, 0.3144,
0.3104


 26.3761, 0.3215,
0.2408


 51.1619, 0.3124,
0.3331


 22.4626, 0.3242,
0.2195

 59.8578, 0.3106,
0.3546

 19.3635, 0.3268,
0.2007

 69.6310, 0.3090,
0.3748

 17.0207, 0.3293,
0.1852

 80.5168, 0.3075,
0.3934

■ 15.3682, 0.3317,
0.1737

■ 85.8671, 0.3066,
0.4007

■ 14.3292, 0.3339,
0.1664

■ 85.9154, 0.3061,
0.3994

■ 13.7814, 0.3358,
0.1630

■ 85.9642, 0.3055,
0.3981

■ 13.6989, 0.3361,
0.1625

■ 86.0133, 0.3049,
0.3969

Harmonies

Analogous

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



36.8500, 0.2847, 0.2761



36.8500, 0.3166, 0.2871



36.8500, 0.3490, 0.3079

Triad

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



36.8500, 0.3166, 0.2871



36.8500, 0.3654, 0.3809



36.8500, 0.2568, 0.3190

Complementary

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



36.8500, 0.3166, 0.2871



44.6704, 0.3089, 0.3748

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.



36.8500, 0.2764, 0.3506



36.8500, 0.3166, 0.2871



36.8500, 0.3389, 0.3877

Square

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



36.8500, 0.3166, 0.2871



36.8500, 0.3779, 0.3608



36.8500, 0.3062, 0.3767



36.8500, 0.2515, 0.2926

Rectangle

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



36.8500, 0.3166, 0.2871



36.8500, 0.3659, 0.3252



36.8500, 0.3062, 0.3767



36.8500, 0.2619, 0.3295

Sweetspot

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



36.8516, 0.3166, 0.2871



81.9751, 0.3137, 0.3175



33.3144, 0.2847, 0.2805



17.8455, 0.3139, 0.3159



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.8516, 0.3166, 0.2871



61.5377, 0.3176, 0.2772



36.1873, 0.3323, 0.3085



9.6864, 0.3146, 0.3077



9.4452, 0.3359, 0.1624



0.3729, 0.3320, 0.1602

Inverse Universe

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



36.8516, 0.3166, 0.2871



61.5377, 0.3176, 0.2772



45.2707, 0.2966, 0.3504



9.6864, 0.3146, 0.3077



9.4452, 0.3359, 0.1624



0.3729, 0.3320, 0.1602

Previews

White Background



This preview shows how the Yxy color 36.8500, 0.3166, 0.2871 looks on a white background.

Color Contrast Check

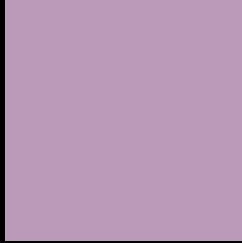
Large Text (above 18pt) WCAG AA × Fail

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 36.8500, 0.3166, 0.2871 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 36.8500, 0.3166, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 36.8500, 0.3166, 0.2871.



This preview shows how white text looks on a background with the Yxy color 36.8500, 0.3166, 0.2871.

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

36.8500, 0.3166, 0.2871

Protanopia

36.8713, 0.2851, 0.2885

Deuteranopia

36.8030, 0.3013, 0.2947



Tritanopia

36.9184, 0.3302, 0.3129

Trichromacy



Original Color

36.8500, 0.3166, 0.2871

Protanomaly

36.9054, 0.2962, 0.2881

Deuteranomaly

36.8047, 0.3069, 0.2925

Tritanomaly

36.9378, 0.3257, 0.3037

Monochromacy



Original Color

36.8500, 0.3166, 0.2871

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.8953, 0.3135, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8500, 0.3166, 0.2871 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, 153, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 153, 185)  
}
```

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, 153, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 153, 185) }
```

Border

The CSS property to change the border of an element to Yxy 36.8500, 0.3166, 0.2871 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, 153, 185) }
```

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

```
.border{ border-color:rgb(187, 153, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 153, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 153, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 153, 185);  
box-shadow:4px 4px 4px 4px rgb(187, 153,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8500, 0.3166, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 153, 185) }
```

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

```
.background{ background-color: rgb(187,  
153, 185) }
```

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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