

# Converting Colors

$Yxy(36.3168, 0.3164, 0.2862)$

Have a look what the booklet for  
Yxy(36.3168, 0.3164, 0.2862)  
contains.

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# Color

**Yxy(36.3563, 0.3166, 0.2869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA98B8
RGB	186, 152, 184
RGB Percent	73%, 60%, 72%
CMY	0.2708, 0.4038, 0.2785
CMYK	0.00, 0.18, 0.01, 0.27
HSL	303°, 20%, 66%
HSV	303°, 18%, 73%
XYZ	40.1199, 36.3563, 50.2449
YIQ	165.8140, 9.9920, 17.1600

# Conversions

## Conversions Part 2

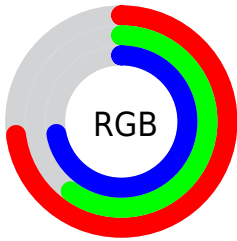
Format	Color
R <sub>Y</sub> B	186, 152, 184
Decimal	12228792
CIE Lab	66.79, 18.21, -11.81
CIE LCh	67, 21.703, 327.038
Yxy	36.3563, 0.3166, 0.2869
Android (android.graphics.Color)	4290418872 (0xFFBA98B8)
YUV	165.8140, 8.9657, 17.7031
Hunter-Lab	60.2962, 13.2521, -7.1992

# Details

The Yxy color **36.3563, 0.3166, 0.2869** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.1078, 0.3089, 0.3750**, and the grayscale version is **37.9900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3111, 0.3158, 0.2942**, and **15.9326, 0.3180, 0.2750** is the 20% darker color. If you saturate the color by 10%, you get **30.7414, 0.3190, 0.2634**, and if you desaturate by 10%, it is **42.9210, 0.3144, 0.3103**.

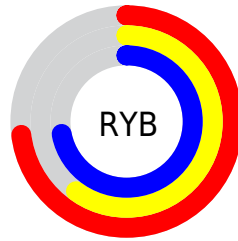
# Distribution



Red (73%)

Green (60%)

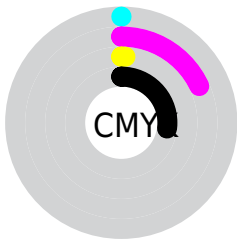
Blue (72%)



Red (73%)

Yellow (60%)

Blue (72%)

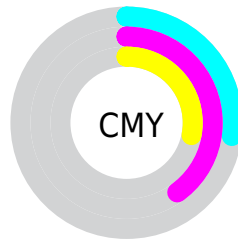


Cyan (0%)

Magenta (18%)

Yellow (1%)

Black (27%)



Cyan (27%)

Magenta (40%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3563, 0.3166, 0.2869 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 36.3563, 0.3166, 0.2869 by changing the saturation by 10% instead.




 36.3563, 0.3166,  
0.2869


 36.3563, 0.3166,  
0.2869


330.5152, 0.3149,  
0.3081

 24.7095, 0.3170,  
0.2816


 69.5817, 0.3160,  
0.2947

 15.8608, 0.3174,  
0.2747


 91.9290, 0.3158,  
0.2975

 9.4257, 0.3178,  
0.2654


118.6120, 0.3156,  
0.3000

 5.0199, 0.3183,  
0.2525

150.0150, 0.3154,  
0.3021

 2.2589, 0.3186,  
0.2331

186.5224, 0.3153,  
0.3039

 0.7518, 0.3186,  
0.1995

228.5187, 0.3151,

 0.0000, 0.1959,


0.3055

0.0000


276.3881, 0.3150,  
0.3069

 0.0000, 0.0000,  
0.0000


 36.3563, 0.3166,  
0.2869


 36.3563, 0.3166,  
0.2869


 30.7414, 0.3190,  
0.2634


 42.9210, 0.3144,  
0.3103


 26.0277, 0.3215,  
0.2406


 50.4720, 0.3124,  
0.3329

 22.1692, 0.3241,  
0.2193

 59.0494, 0.3106,  
0.3544

 19.1142, 0.3267,  
0.2005

 68.6898, 0.3090,  
0.3746

 16.8053, 0.3292,  
0.1850

 79.4282, 0.3076,  
0.3933

■ 15.1775, 0.3316,  
0.1735

■ 85.6899, 0.3066,  
0.4021

■ 14.1547, 0.3337,  
0.1663

■ 85.7372, 0.3061,  
0.4009

■ 13.6146, 0.3356,  
0.1629

■ 85.7849, 0.3055,  
0.3996

■ 13.5363, 0.3360,  
0.1624

■ 85.8329, 0.3049,  
0.3983

# Harmonies

## Analogous

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



36.3563, 0.2845, 0.2758



36.3563, 0.3166, 0.2869



36.3563, 0.3491, 0.3078

# Triad

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



36.3563, 0.3166, 0.2869



36.3563, 0.3657, 0.3811



36.3563, 0.2565, 0.3190

# Complementary

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



36.3563, 0.3166, 0.2869



44.1078, 0.3089, 0.3750

# 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.



36.3563, 0.2763, 0.3508



36.3563, 0.3166, 0.2869



36.3563, 0.3390, 0.3880

# Square

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



36.3563, 0.3166, 0.2869



36.3563, 0.3782, 0.3609



36.3563, 0.3062, 0.3770



36.3563, 0.2512, 0.2924



# Rectangle

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



36.3563, 0.3166, 0.2869



36.3563, 0.3661, 0.3251



36.3563, 0.3062, 0.3770



36.3563, 0.2617, 0.3295

# Sweetspot

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



36.3579, 0.3166, 0.2869



81.9755, 0.3137, 0.3175



32.8503, 0.2846, 0.2802



17.8456, 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.



36.3579, 0.3166, 0.2869



61.5394, 0.3176, 0.2772



35.6984, 0.3324, 0.3085



9.1535, 0.3146, 0.3077



9.1160, 0.3357, 0.1623



0.3241, 0.3316, 0.1600



# Inverse Universe

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



36.3579, 0.3166, 0.2869



61.5394, 0.3176, 0.2772



44.7035, 0.2966, 0.3505



9.1535, 0.3146, 0.3077



9.1160, 0.3357, 0.1623

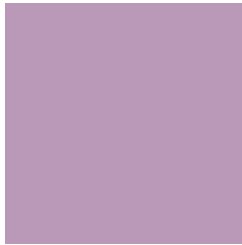


0.3241, 0.3316, 0.1600



# Previews

## White Background



This preview shows how the Yxy color 36.3563, 0.3166, 0.2869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

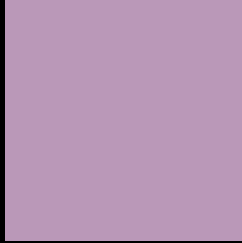
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.3563, 0.3166, 0.2869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

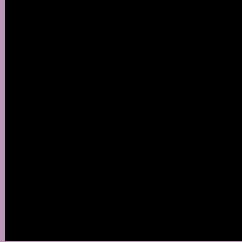
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.3563, 0.3166, 0.2869**

## Background



This preview shows how black text looks on a background with the Yxy color 36.3563, 0.3166, 0.2869.



This preview shows how white text looks on a background with the Yxy color 36.3563, 0.3166, 0.2869.

# 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

36.3563, 0.3166, 0.2869

### Protanopia

36.3755, 0.2849, 0.2883

### Deuteranopia

36.3076, 0.3012, 0.2945



## Tritanopia

36.4231, 0.3303, 0.3128

# Trichromacy



## Original Color

36.3563, 0.3166, 0.2869

## Protanomaly

36.4094, 0.2961, 0.2878

## Deuteranomaly

36.3098, 0.3068, 0.2923

## Tritanomaly

36.4426, 0.3257, 0.3035

# Monochromacy



## Original Color

36.3563, 0.3166, 0.2869

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.3911, 0.3135, 0.3124

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.3563, 0.3166, 0.2869 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(186, 152, 184)` looks like.

```
.text, #text, p{  
    color:rgb(186, 152, 184)  
}
```

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(186, 152, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 152, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 36.3563, 0.3166, 0.2869 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(186, 152, 184) }
```

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

```
.border{ border-color:rgb(186, 152, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 152, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 152, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 152, 184);  
box-shadow:4px 4px 4px 4px rgb(186, 152,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.3563, 0.3166, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 152, 184) }
```

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

```
.background{ background-color: rgb(186,  
152, 184) }
```

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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