

# Converting Colors

$Y_{xy}(36.6789, 0.3164, 0.2918)$

Have a look what the booklet for  
Yxy(36.6789, 0.3164, 0.2918)  
contains.

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# Color

**Yxy(36.6789, 0.3164, 0.2918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B89AB6
RGB	184, 154, 182
RGB Percent	72%, 60%, 71%
CMY	0.2784, 0.3961, 0.2862
CMYK	0.00, 0.16, 0.01, 0.28
HSL	304°, 17%, 66%
HSV	304°, 16%, 72%
XYZ	39.7711, 36.6789, 49.2488
YIQ	166.1620, 8.8920, 15.0680

# Conversions

## Conversions Part 2

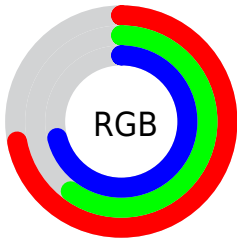
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">184, 154, 182</a>
Decimal	<a href="#">12098230</a>
CIELab	<a href="#">67.04, 16.07, -10.36</a>
CIElCh	<a href="#">67, 19.117, 327.188</a>
Yxy	<a href="#">36.6789, 0.3164, 0.2918</a>
Android (android.graphics.Color)	<a href="#">4290288310</a> ( <a href="#">0xFFB89AB6</a> )
YUV	<a href="#">166.1620, 7.8081, 15.6439</a>
Hunter-Lab	<a href="#">60.5631, 11.2334, -5.8193</a>

# Details

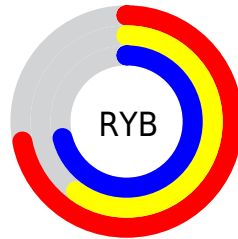
The Yxy color **36.6789, 0.3164, 0.2918** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.5592, 0.3092, 0.3693**, and the grayscale version is **38.1758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8101, 0.3156, 0.2981**, and **16.1108, 0.3177, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **31.0143, 0.3189, 0.2685**, and if you desaturate by 10%, it is **43.2783, 0.3141, 0.3148**.

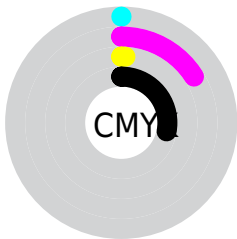
# Distribution



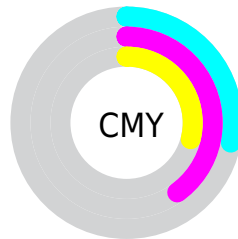
- Red (72%)
- Green (60%)
- Blue (71%)



- Red (72%)
- Yellow (60%)
- Blue (71%)



- Cyan (0%)
- Magenta (16%)
- Yellow (1%)
- Black (28%)




- Cyan (28%)
- Magenta (40%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.6789, 0.3164, 0.2918 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 36.6789, 0.3164, 0.2918 by changing the saturation by 10% instead.





 36.6789, 0.3164,  
0.2918


 36.6789, 0.3164,  
0.2918


331.9182, 0.3147,  
0.3106

 24.9590, 0.3168,  
0.2870


 70.0787, 0.3158,  
0.2987

 16.0465, 0.3172,  
0.2809


 92.5273, 0.3156,  
0.3013

 9.5571, 0.3177,  
0.2727


119.3209, 0.3154,  
0.3034

 5.1063, 0.3183,  
0.2610

150.8440, 0.3152,  
0.3053

 2.3098, 0.3189,  
0.2435

187.4808, 0.3151,  
0.3069

 0.7789, 0.3193,  
0.2131

229.6159, 0.3149,

 0.0000, 0.1795,

0.3083

0.0000

277.6336, 0.3148,  
0.3095

0.0000, 0.0000,  
0.0000

36.6789, 0.3164,  
0.2918

36.6789, 0.3164,  
0.2918

31.0143, 0.3189,  
0.2685

43.2783, 0.3141,  
0.3148

26.2375, 0.3217,  
0.2457

50.8474, 0.3120,  
0.3371

22.3044, 0.3245,  
0.2242

59.4249, 0.3101,  
0.3581

19.1656, 0.3274,  
0.2049

69.0462, 0.3085,  
0.3778

16.7663, 0.3302,  
0.1888

79.7450, 0.3070,  
0.3960

■ 15.0449, 0.3329,  
0.1766

■ 85.4036, 0.3061,  
0.4036

■ 13.9296, 0.3354,  
0.1686

■ 85.4573, 0.3054,  
0.4022

■ 13.3263, 0.3376,  
0.1647

■ 85.5114, 0.3047,  
0.4007

■ 13.1618, 0.3384,  
0.1638

■ 85.5660, 0.3041,  
0.3993

# Harmonies

## Analogous

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



36.6789, 0.2881, 0.2820



36.6789, 0.3164, 0.2918



36.6789, 0.3449, 0.3104

# Triad

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



36.6789, 0.3164, 0.2918



36.6789, 0.3592, 0.3750



36.6789, 0.2631, 0.3203

# Complementary

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



36.6789, 0.3164, 0.2918



43.5592, 0.3092, 0.3693

# 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.



36.6789, 0.2806, 0.3480



36.6789, 0.3164, 0.2918



36.6789, 0.3359, 0.3806

# Square

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



36.6789, 0.3164, 0.2918



36.6789, 0.3702, 0.3575



36.6789, 0.3070, 0.3707



36.6789, 0.2584, 0.2969



# Rectangle

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



36.6789, 0.3164, 0.2918



36.6789, 0.3596, 0.3259



36.6789, 0.3070, 0.3707



36.6789, 0.2676, 0.3295

# Sweetspot

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



36.6805, 0.3164, 0.2918



80.0290, 0.3138, 0.3176



33.6386, 0.2884, 0.2860



17.0575, 0.3140, 0.3161



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



36.6805, 0.3164, 0.2918



62.1522, 0.3174, 0.2824



36.0926, 0.3305, 0.3114



9.1521, 0.3147, 0.3079



9.0729, 0.3381, 0.1636



0.3230, 0.3333, 0.1610



# Inverse Universe

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



36.6805, 0.3164, 0.2918



62.1522, 0.3174, 0.2824



44.0997, 0.2979, 0.3473



9.1521, 0.3147, 0.3079



9.0729, 0.3381, 0.1636



0.3230, 0.3333, 0.1610



# Previews

## White Background



This preview shows how the Yxy color 36.6789, 0.3164, 0.2918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

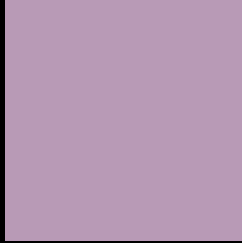
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.6789, 0.3164, 0.2918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

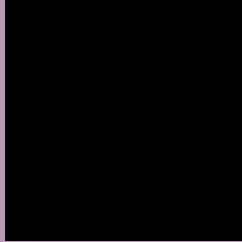
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.6789, 0.3164, 0.2918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.6789, 0.3164, 0.2918.



This preview shows how white text looks on a background with the Yxy color 36.6789, 0.3164, 0.2918.

# 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

36.6789, 0.3164, 0.2918

### Protanopia

36.7994, 0.2890, 0.2939

### Deuteranopia

36.7904, 0.3047, 0.2987



## Tritanopia

36.5866, 0.3263, 0.3114

# Trichromacy



## Original Color

36.6789, 0.3164, 0.2918

## Protanomaly

36.6239, 0.2986, 0.2932

## Deuteranomaly

36.6802, 0.3095, 0.2964

## Tritanomaly

36.5660, 0.3227, 0.3034

# Monochromacy



## Original Color

36.6789, 0.3164, 0.2918

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.7035, 0.3143, 0.3152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.6789, 0.3164, 0.2918 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(184, 154, 182)` looks like.

```
.text, #text, p{  
    color:rgb(184, 154, 182)  
}
```

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(184, 154, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 154, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 36.6789, 0.3164, 0.2918 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(184, 154, 182) }
```

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

```
.border{ border-color:rgb(184, 154, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 154, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 154, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 154, 182);  
box-shadow:4px 4px 4px 4px rgb(184, 154,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.6789, 0.3164, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 154, 182) }
```

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

```
.background{ background-color: rgb(184,  
154, 182) }
```

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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