

# Converting Colors

$Yxy(36.8007, 0.3129, 0.3206)$

Have a look what the booklet for  
Yxy(36.8007, 0.3129, 0.3206)  
contains.

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# Color

**Yxy(36.8833, 0.3122, 0.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7A2A8
RGB	167, 162, 168
RGB Percent	65%, 64%, 66%
CMY	0.3450, 0.3647, 0.3412
CMYK	0.01, 0.04, 0.00, 0.34
HSL	290°, 3%, 65%
HSV	290°, 4%, 66%
XYZ	35.9281, 36.8833, 42.2691
YIQ	164.1790, 1.0540, 2.9260

# Conversions

## Conversions Part 2

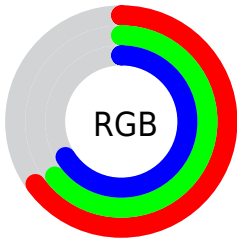
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 162, 168
Decimal	10986152
CIELab	67.19, 2.95, -2.47
CIELCh	67, 3.845, 320.055
Yxy	36.8833, 0.3122, 0.3205
Android (android.graphics.Color)	4289176232 (0xFFA7A2A8)
YUV	164.1790, 1.8838, 2.4740
Hunter-Lab	60.7316, -0.6818, 1.2464

# Details

The Yxy color **36.8833, 0.3122, 0.3205** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3955, 0.3132, 0.3376**, and the grayscale version is **37.2067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4830, 0.3123, 0.3225**, and **16.0577, 0.3119, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **31.0636, 0.3105, 0.2959**, and if you desaturate by 10%, it is **43.5031, 0.3135, 0.3438**.

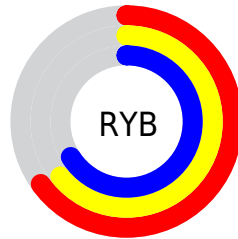
# Distribution



Red (65%)

Green (64%)

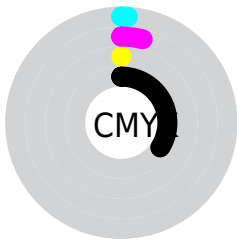
Blue (66%)



Red (65%)

Yellow (64%)

Blue (66%)

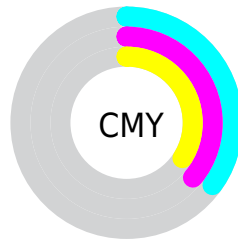


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (34%)



Cyan (35%)

Magenta (36%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8833, 0.3122, 0.3205 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 36.8833, 0.3122, 0.3205 by changing the saturation by 10% instead.




 36.8833, 0.3122,  
0.3205


 36.8833, 0.3122,  
0.3205

332.8050, 0.3125,  
0.3249

 25.1171, 0.3121,  
0.3194


 70.3933, 0.3123,  
0.3221

 16.1644, 0.3120,  
0.3178


 92.9059, 0.3123,  
0.3227

 9.6405, 0.3119,  
0.3158

119.7694, 0.3124,  
0.3232

 5.1613, 0.3116,  
0.3128

151.3683, 0.3124,  
0.3237

 2.3422, 0.3113,  
0.3080

188.0869, 0.3124,  
0.3240

 0.7959, 0.3108,  
0.2986


230.3096, 0.3125,


 0.0000, 0.0000,


0.3244


0.0000


278.4208, 0.3125,  
0.3247

 36.8833, 0.3122,  
0.3205


 36.8833, 0.3122,  
0.3205


 31.0636, 0.3105,  
0.2959


 43.5031, 0.3135,  
0.3438


 26.0080, 0.3084,  
0.2705


 50.9477, 0.3145,  
0.3656


 21.6850, 0.3058,  
0.2448

 59.2465, 0.3153,  
0.3857

 18.0589, 0.3029,  
0.2198

 68.4262, 0.3158,  
0.4041

 15.0909, 0.2995,  
0.1964

 78.5123, 0.3161,  
0.4208

■ 12.7388, 0.2957,  
0.1755

■ 84.4545, 0.3170,  
0.4288

■ 10.9549, 0.2917,  
0.1582

■ 84.7917, 0.3187,  
0.4283

■ 9.6849, 0.2875,  
0.1450

■ 85.1354, 0.3204,  
0.4278

■ 8.8635, 0.2833,  
0.1362

■ 85.4855, 0.3221,  
0.4273

# Harmonies

## Analogous

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



36.8833, 0.3066, 0.3191



36.8833, 0.3122, 0.3205



36.8833, 0.3180, 0.3242

# Triad

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



36.8833, 0.3122, 0.3205



36.8833, 0.3228, 0.3378



36.8833, 0.3032, 0.3288

# Complementary

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



36.8833, 0.3122, 0.3205



38.3955, 0.3132, 0.3376

# 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.



36.8833, 0.3075, 0.3340



36.8833, 0.3122, 0.3205



36.8833, 0.3188, 0.3391

# Square

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



36.8833, 0.3122, 0.3205



36.8833, 0.3241, 0.3341



36.8833, 0.3132, 0.3377



36.8833, 0.3014, 0.3238



# Rectangle

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



36.8833, 0.3122, 0.3205



36.8833, 0.3211, 0.3274



36.8833, 0.3132, 0.3377



36.8833, 0.3044, 0.3306

# Sweetspot

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



36.8849, 0.3122, 0.3205



69.8628, 0.3126, 0.3266



36.7013, 0.3075, 0.3218



15.2417, 0.3126, 0.3267



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



36.8849, 0.3122, 0.3205



66.3718, 0.3121, 0.3193



36.9170, 0.3149, 0.3233



8.2318, 0.3120, 0.3179



6.4186, 0.2810, 0.1322



0.1720, 0.2951, 0.1399



# Inverse Universe

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



36.8071, 0.3176, 0.3276



66.2118, 0.3183, 0.3274



38.3652, 0.3106, 0.3347



8.2091, 0.3191, 0.3272



6.3522, 0.6135, 0.3153



0.1602, 0.5390, 0.2743



# Previews

## White Background



This preview shows how the Yxy color 36.8833, 0.3122, 0.3205 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 36.8833, 0.3122, 0.3205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

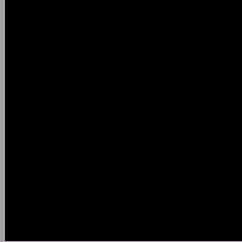
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

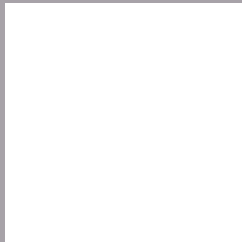
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 36.8833, 0.3122, 0.3205**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.8833, 0.3122, 0.3205.



This preview shows how white text looks on a background with the Yxy color 36.8833, 0.3122, 0.3205.

# 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

36.8833, 0.3122, 0.3205

### Protanopia

37.0209, 0.3102, 0.3219

### Deuteranopia

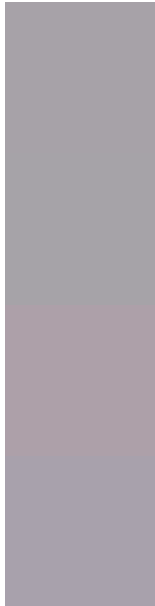
37.0080, 0.3211, 0.3153



## Tritanopia

36.8706, 0.3079, 0.3108

# Trichromacy



## Original Color

36.8833, 0.3122, 0.3205

## Protanomaly

37.1285, 0.3112, 0.3219

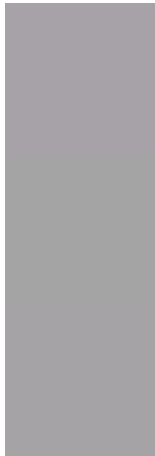
## Deuteranomaly

36.8904, 0.3171, 0.3165

## Tritanomaly

36.7931, 0.3097, 0.3135

# Monochromacy



## Original Color

36.8833, 0.3122, 0.3205

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

36.9103, 0.3128, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.8833, 0.3122, 0.3205 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(167, 162, 168)` looks like.

```
.text, #text, p{  
    color:rgb(167, 162, 168)  
}
```

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(167, 162, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 162, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 36.8833, 0.3122, 0.3205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

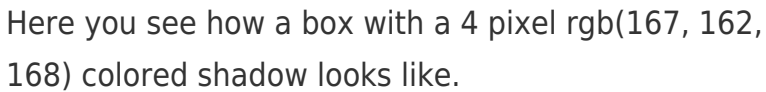
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 162, 168) }
```

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

```
.border{ border-color:rgb(167, 162, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 162, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 162, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 162, 168); box-shadow:4px 4px 4px 4px rgb(167, 162, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.8833, 0.3122, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 162, 168) }
```

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

```
.background{ background-color: rgb(167,  
162, 168) }
```

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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