

# Converting Colors

$Y_{xy}(34.5996, 0.3245, 0.3040)$

Have a look what the booklet for  
Yxy(34.5996, 0.3245, 0.3040)  
contains.

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# **Color**

**Yxy(34.7011, 0.3249, 0.3043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B497A9
RGB	180, 151, 169
RGB Percent	71%, 59%, 66%
CMY	0.2941, 0.4078, 0.3372
CMYK	0.00, 0.16, 0.06, 0.29
HSL	323°, 16%, 65%
HSV	323°, 16%, 71%
XYZ	37.0502, 34.7011, 42.2845
YIQ	161.7230, 11.5060, 11.7460

# Conversions

## Conversions Part 2

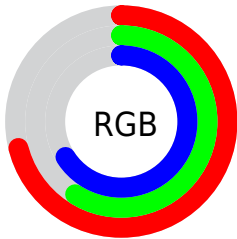
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 151, 169
Decimal	11835305
CIE <sub>Lab</sub>	65.52, 13.89, -5.37
CIE <sub>LCh</sub>	66, 14.892, 338.852
Yxy	34.7011, 0.3249, 0.3043
Android (android.graphics.Color)	4290025385 (0xFFB497A9)
YUV	161.7230, 3.5876, 16.0289
Hunter-Lab	58.9076, 9.1800, -1.3236

# Details

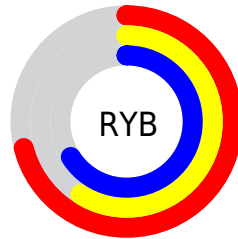
The Yxy color **34.7011, 0.3249, 0.3043** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.8296, 0.3022, 0.3551**, and the grayscale version is **35.9747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8773, 0.3228, 0.3089**, and **14.9107, 0.3286, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **29.0947, 0.3343, 0.2882**, and if you desaturate by 10%, it is **41.2085, 0.3169, 0.3199**.

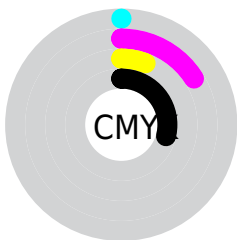
# Distribution



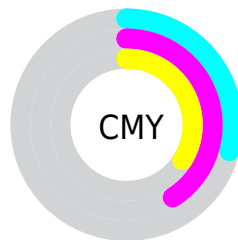
- Red (71%)
- Green (59%)
- Blue (66%)



- Red (71%)
- Yellow (59%)
- Blue (66%)



- Cyan (0%)
- Magenta (16%)
- Yellow (6%)
- Black (29%)




- Cyan (29%)
- Magenta (41%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7011, 0.3249, 0.3043 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 34.7011, 0.3249, 0.3043 by changing the saturation by 10% instead.





 34.7011, 0.3249,  
0.3043


 34.7011, 0.3249,  
0.3043


323.2470, 0.3186,  
0.3170

 23.4327, 0.3265,  
0.3010

 67.0225, 0.3226,  
0.3090

 14.9134, 0.3287,  
0.2967


 88.8442, 0.3217,  
0.3108

 8.7586, 0.3316,  
0.2908


114.9526, 0.3210,  
0.3122

 4.5841, 0.3358,  
0.2823

145.7319, 0.3204,  
0.3135

 2.0053, 0.3424,  
0.2690

181.5667, 0.3199,  
0.3145

 0.6106, 0.3580,  
0.2371

222.8412, 0.3194,

 0.0000, 0.0000,

0.3155

0.0000

269.9398, 0.3190,  
0.3163

■ 34.7011, 0.3249,  
0.3043

■ 34.7011, 0.3249,  
0.3043

■ 29.0947, 0.3343,  
0.2882

■ 41.2085, 0.3169,  
0.3199

■ 24.3444, 0.3453,  
0.2721

■ 48.6499, 0.3103,  
0.3346

■ 20.4086, 0.3580,  
0.2565

■ 57.0624, 0.3047,  
0.3485

■ 17.2403, 0.3723,  
0.2424

■ 66.4795, 0.3000,  
0.3613

■ 14.7874, 0.3880,  
0.2308

■ 76.9332, 0.2962,  
0.3731

■ 12.9915, 0.4047,  
0.2229

■ 85.8733, 0.2928,  
0.3798

■ 11.7851, 0.4217,  
0.2196

■ 86.2206, 0.2893,  
0.3718

■ 11.0796, 0.4386,  
0.2213

■ 86.5826, 0.2857,  
0.3639

■ 10.8676, 0.4452,  
0.2226

■ 86.9594, 0.2822,  
0.3561

# Harmonies

## Analogous

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



34.7011, 0.3016, 0.2933



34.7011, 0.3249, 0.3043



34.7011, 0.3455, 0.3214

# Triad

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



34.7011, 0.3249, 0.3043



34.7011, 0.3435, 0.3685



34.7011, 0.2702, 0.3145

# Complementary

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



34.7011, 0.3249, 0.3043



41.8296, 0.3022, 0.3551

# 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.



34.7011, 0.2806, 0.3357



34.7011, 0.3249, 0.3043



34.7011, 0.3226, 0.3680

# Square

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



34.7011, 0.3249, 0.3043



34.7011, 0.3563, 0.3582



34.7011, 0.2996, 0.3558



34.7011, 0.2707, 0.2983



# Rectangle

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



34.7011, 0.3249, 0.3043



34.7011, 0.3546, 0.3344



34.7011, 0.2996, 0.3558



34.7011, 0.2726, 0.3212

# Sweetspot

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



34.7026, 0.3249, 0.3043



76.0219, 0.3162, 0.3214



33.0733, 0.2969, 0.2877



16.2406, 0.3167, 0.3204



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



34.7026, 0.3249, 0.3043



59.4788, 0.3278, 0.2992



34.2000, 0.3388, 0.3237



8.5910, 0.3193, 0.3150



7.5986, 0.4433, 0.2216



0.2500, 0.4010, 0.1983



# Inverse Universe

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



34.7026, 0.3249, 0.3043



59.4788, 0.3278, 0.2992



42.3609, 0.2916, 0.3344



8.5910, 0.3193, 0.3150



7.5986, 0.4433, 0.2216

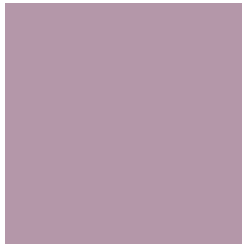


0.2500, 0.4010, 0.1983



# Previews

## White Background



This preview shows how the Yxy color 34.7011, 0.3249, 0.3043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

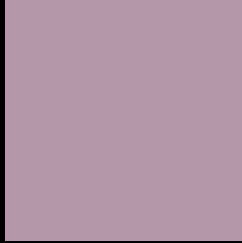
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.7011, 0.3249, 0.3043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

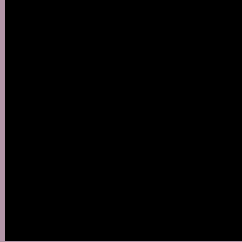
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.7011, 0.3249, 0.3043**

## Background



This preview shows how black text looks on a background with the Yxy color 34.7011, 0.3249, 0.3043.



This preview shows how white text looks on a background with the Yxy color 34.7011, 0.3249, 0.3043.

# 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

34.7011, 0.3249, 0.3043

### Protanopia

34.7400, 0.2996, 0.3073

### Deuteranopia

34.9278, 0.3165, 0.3107



## Tritanopia

34.7205, 0.3286, 0.3124

# Trichromacy



## Original Color

34.7011, 0.3249, 0.3043

## Protanomaly

34.5282, 0.3080, 0.3048

## Deuteranomaly

34.9370, 0.3196, 0.3094

## Tritanomaly

34.7934, 0.3267, 0.3097

# Monochromacy



## Original Color

34.7011, 0.3249, 0.3043

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

35.6053, 0.3171, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.7011, 0.3249, 0.3043 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(180, 151, 169)` looks like.

```
.text, #text, p{  
    color:rgb(180, 151, 169)  
}
```

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(180, 151, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 151, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 34.7011, 0.3249, 0.3043 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(180, 151, 169) }
```

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

```
.border{ border-color:rgb(180, 151, 169) }
```

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

Here you see how a box with a 4 pixel rgb(180, 151, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 151, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 151, 169);  
box-shadow:4px 4px 4px 4px rgb(180, 151,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.7011, 0.3249, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 151, 169) }
```

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

```
.background{ background-color: rgb(180,  
151, 169) }
```

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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