

# Converting Colors

$Y_{xy}(30.4526, 0.3018, 0.2650)$

Have a look what the booklet for  
Yxy(30.4526, 0.3018, 0.2650)  
contains.

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# **Color**

**Yxy(30.3377, 0.3015, 0.2640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB8AB9
RGB	171, 138, 185
RGB Percent	67%, 54%, 73%
CMY	0.3292, 0.4589, 0.2745
CMYK	0.08, 0.25, 0.00, 0.27
HSL	282°, 25%, 63%
HSV	282°, 25%, 73%
XYZ	34.6470, 30.3377, 49.9308
YIQ	153.2250, 4.5810, 21.6130

# Conversions

## Conversions Part 2

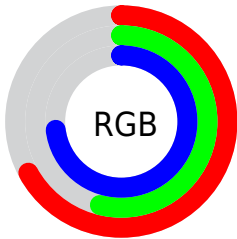
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 138, 185
Decimal	11242169
CIELab	61.94, 21.21, -19.84
CIELCh	62, 29.041, 316.903
Yxy	30.3377, 0.3015, 0.2640
Android (android.graphics.Color)	4289432249 (0xFFAB8AB9)
YUV	153.2250, 15.6651, 15.5887
Hunter-Lab	55.0797, 15.8933, -15.1918

# Details

The Yxy color **30.3377, 0.3015, 0.2640** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.2051, 0.3211, 0.3978**, and the grayscale version is **31.8894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3810, 0.3044, 0.2768**, and **12.4969, 0.2962, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **24.8711, 0.2957, 0.2369**, and if you desaturate by 10%, it is **36.7367, 0.3065, 0.2905**.

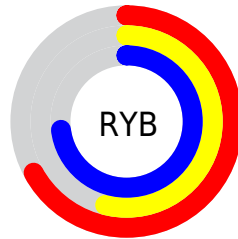
# Distribution



Red (67%)

Green (54%)

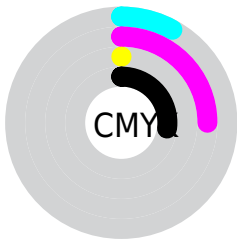
Blue (73%)



Red (67%)

Yellow (54%)

Blue (73%)

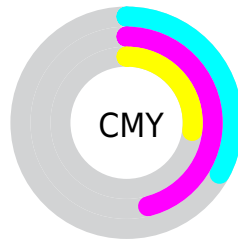


Cyan (8%)

Magenta (25%)

Yellow (0%)

Black (27%)



Cyan (33%)

Magenta (46%)


Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3377, 0.3015, 0.2640 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 30.3377, 0.3015, 0.2640 by changing the saturation by 10% instead.





 30.3377, 0.3015,  
0.2640


 30.3377, 0.3015,  
0.2640


303.4754, 0.3080,  
0.2972


 20.0951, 0.2996,  
0.2555


 60.1958, 0.3041,  
0.2762

 12.4642, 0.2968,  
0.2446


 80.5801, 0.3050,  
0.2807

 7.0606, 0.2929,  
0.2299


 105.1137, 0.3058,  
0.2846

 3.5000, 0.2866,  
0.2092

134.1810, 0.3064,  
0.2878

 1.3980, 0.2756,  
0.1782

168.1664, 0.3069,  
0.2907

 0.2153, 0.2656,  
0.0791

207.4544, 0.3073,

 0.0000, 0.0000,

0.2931

0.0000

252.4292, 0.3077,  
0.2953

■ 30.3377, 0.3015,  
0.2640

■ 30.3377, 0.3015,  
0.2640

■ 24.8711, 0.2957,  
0.2369

■ 36.7367, 0.3065,  
0.2905

■ 20.2869, 0.2892,  
0.2101

■ 44.1071, 0.3107,  
0.3159

■ 16.5363, 0.2819,  
0.1847


■ 52.4903, 0.3142,  
0.3397

■ 13.5640, 0.2742,  
0.1617


■ 61.9243, 0.3171,  
0.3617


■ 11.3079, 0.2662,  
0.1424


■ 72.4449, 0.3194,  
0.3818


 9.6962, 0.2582,  
0.1275


 84.0864, 0.3213,  
0.4000

 8.6401, 0.2505,  
0.1172

 88.6513, 0.3242,  
0.4050

 8.2541, 0.2470,  
0.1134

 89.4690, 0.3277,  
0.4042

 90.3147, 0.3313,  
0.4033

# Harmonies

## Analogous

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



30.3377, 0.2601, 0.2540



30.3377, 0.3015, 0.2640



30.3377, 0.3493, 0.2883

# Triad

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



30.3377, 0.3015, 0.2640



30.3377, 0.3961, 0.3932



30.3377, 0.2413, 0.3289

# Complementary

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



30.3377, 0.3015, 0.2640



43.2051, 0.3211, 0.3978

# 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.



30.3377, 0.2738, 0.3750



30.3377, 0.3015, 0.2640



30.3377, 0.3633, 0.4125

# Square

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



30.3377, 0.3015, 0.2640



30.3377, 0.4062, 0.3598



30.3377, 0.3183, 0.4072



30.3377, 0.2274, 0.2872



# Rectangle

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



30.3377, 0.3015, 0.2640



30.3377, 0.3775, 0.3103



30.3377, 0.3183, 0.4072



30.3377, 0.2502, 0.3446

# Sweetspot

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



30.3390, 0.3015, 0.2640



75.2287, 0.3097, 0.3092



31.3917, 0.2716, 0.2797



15.7821, 0.3090, 0.3054



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.



30.3390, 0.3015, 0.2640



49.1601, 0.2987, 0.2503



31.6070, 0.3250, 0.2784



9.0252, 0.3092, 0.3061



5.6591, 0.2479, 0.1139



0.2299, 0.2675, 0.1247



# Inverse Universe

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



30.7535, 0.3500, 0.3097



50.0810, 0.3600, 0.3056



42.2210, 0.3025, 0.3855



9.0549, 0.3242, 0.3222



7.2219, 0.5741, 0.2936



0.2658, 0.4987, 0.2521



# Previews

## White Background



This preview shows how the Yxy color 30.3377, 0.3015, 0.2640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

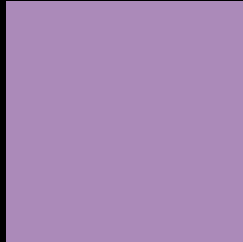
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.3377, 0.3015, 0.2640 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 30.3377, 0.3015, 0.2640**

## Background



This preview shows how black text looks on a background with the Yxy color 30.3377, 0.3015, 0.2640.



This preview shows how white text looks on a background with the Yxy color 30.3377, 0.3015, 0.2640.

# 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

30.3377, 0.3015, 0.2640

### Protanopia

30.4745, 0.2666, 0.2642

### Deuteranopia

30.5822, 0.2814, 0.2759



## Tritanopia

30.4201, 0.3251, 0.3128

# Trichromacy



## Original Color

30.3377, 0.3015, 0.2640

## Protanomaly

30.2000, 0.2790, 0.2640

## Deuteranomaly

30.4751, 0.2878, 0.2713

## Tritanomaly

30.4240, 0.3164, 0.2944

# Monochromacy



## Original Color

30.3377, 0.3015, 0.2640

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

31.3700, 0.3088, 0.3039

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.3377, 0.3015, 0.2640 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(171, 138, 185)` looks like.

```
.text, #text, p{  
    color:rgb(171, 138, 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(171, 138, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 138, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 30.3377, 0.3015, 0.2640 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(171, 138, 185) }
```

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

```
.border{ border-color:rgb(171, 138, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 138, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 138, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 138, 185);  
box-shadow:4px 4px 4px 4px rgb(171, 138,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.3377, 0.3015, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 138, 185) }
```

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

```
.background{ background-color: rgb(171,  
138, 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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