

# Converting Colors

$Y_{xy}(30.9586, 0.3547, 0.3019)$

Have a look what the booklet for  
Yxy(30.9586, 0.3547, 0.3019)  
contains.

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**Color**

**Yxy(30.9010, 0.3551, 0.3021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0879B
RGB	192, 135, 155
RGB Percent	75%, 53%, 61%
CMY	0.2470, 0.4706, 0.3921
CMYK	0.00, 0.30, 0.19, 0.25
HSL	339°, 31%, 64%
HSV	339°, 30%, 75%
XYZ	36.3222, 30.9010, 35.0641
YIQ	154.3230, 27.5520, 18.3040

# Conversions

## Conversions Part 2

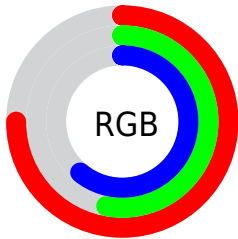
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 135, 155
Decimal	12617627
CIE <sub>Lab</sub>	62.42, 24.81, -1.87
CIE <sub>LCh</sub>	62, 24.876, 355.680
Yxy	30.9010, 0.3551, 0.3021
Android (android.graphics.Color)	4290807707 (0xFFC0879B)
YUV	154.3230, 0.3338, 33.0427
Hunter-Lab	55.5887, 19.3536, 1.5133

# Details

The Yxy color **30.9010, 0.3551, 0.3021** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.8360, 0.2833, 0.3578**, and the grayscale version is **32.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1384, 0.3466, 0.3081**, and **12.8148, 0.3684, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **25.6216, 0.3757, 0.2927**, and if you desaturate by 10%, it is **37.1928, 0.3380, 0.3115**.

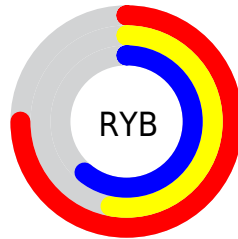
# Distribution



Red (75%)

Green (53%)

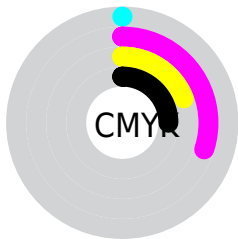
Blue (61%)



Red (75%)

Yellow (53%)

Blue (61%)

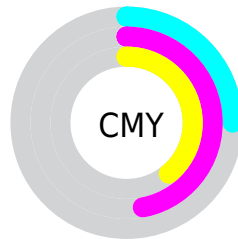


Cyan (0%)

Magenta (30%)

Yellow (19%)

Black (25%)



Cyan (25%)

Magenta (47%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9010, 0.3551, 0.3021 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 30.9010, 0.3551, 0.3021 by changing the saturation by 10% instead.





 30.9010, 0.3551,  
0.3021


 30.9010, 0.3551,  
0.3021


306.0820, 0.3325,  
0.3163

 20.5235, 0.3612,  
0.2983


 61.0842, 0.3466,  
0.3075

 12.7761, 0.3694,  
0.2932

 81.6586, 0.3434,  
0.3094

 7.2746, 0.3809,  
0.2861


 106.4008, 0.3409,  
0.3110

 3.6344, 0.3981,  
0.2756

135.6951, 0.3387,  
0.3124

 1.4712, 0.4269,  
0.2583

169.9260, 0.3368,  
0.3136

 0.2683, 0.5545,  
0.1729

209.4779, 0.3352,

 0.0000, 0.0000,

0.3146

0.0000

254.7351, 0.3338,  
0.3155

■ 30.9010, 0.3551,  
0.3021

■ 30.9010, 0.3551,  
0.3021

■ 25.6216, 0.3757,  
0.2927

■ 37.1928, 0.3380,  
0.3115

■ 21.2970, 0.4003,  
0.2840

■ 44.5419, 0.3239,  
0.3207

■ 17.8704, 0.4287,  
0.2768


■ 52.9959, 0.3124,  
0.3293

■ 15.2771, 0.4603,  
0.2723


■ 62.5981, 0.3030,  
0.3372

■ 13.4439, 0.4939,  
0.2718


■ 73.3896, 0.2953,  
0.3446


 12.2841, 0.5269,  
0.2760

 85.4092, 0.2889,  
0.3513

 11.6359, 0.5571,  
0.2845

 89.1542, 0.2827,  
0.3426

 11.6187, 0.5580,  
0.2848

 89.9299, 0.2764,  
0.3292

 89.9487, 0.2763,  
0.3289

# Harmonies

## Analogous

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



30.9010, 0.3153, 0.2779



30.9010, 0.3551, 0.3021



30.9010, 0.3840, 0.3332

# Triad

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



30.9010, 0.3551, 0.3021



30.9010, 0.3457, 0.4009



30.9010, 0.2390, 0.2856

# Complementary

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



30.9010, 0.3551, 0.3021



45.8360, 0.2833, 0.3578

# 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.



30.9010, 0.2460, 0.3180



30.9010, 0.3551, 0.3021



30.9010, 0.3062, 0.3889

# Square

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



30.9010, 0.3551, 0.3021



30.9010, 0.3776, 0.3908



30.9010, 0.2700, 0.3571



30.9010, 0.2500, 0.2674



# Rectangle

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



30.9010, 0.3551, 0.3021



30.9010, 0.3921, 0.3549



30.9010, 0.2700, 0.3571



30.9010, 0.2394, 0.2951

# Sweetspot

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



30.9024, 0.3551, 0.3021



81.4834, 0.3232, 0.3211



29.8036, 0.2951, 0.2513



17.0316, 0.3251, 0.3198



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



30.9024, 0.3551, 0.3021



49.2091, 0.3689, 0.2956



32.4826, 0.3751, 0.3396



10.1350, 0.3235, 0.3209



7.8301, 0.5547, 0.2829



0.3515, 0.4920, 0.2484



# Inverse Universe

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



30.9024, 0.3551, 0.3021



49.2091, 0.3689, 0.2956



43.4104, 0.2692, 0.3181



10.1350, 0.3235, 0.3209



7.8301, 0.5547, 0.2829

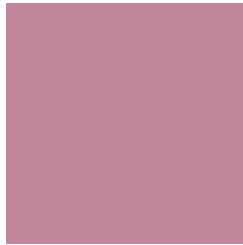


0.3515, 0.4920, 0.2484



# Previews

## White Background



This preview shows how the Yxy color 30.9010, 0.3551, 0.3021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

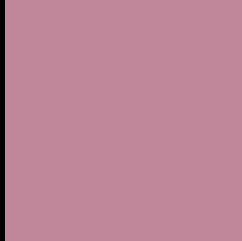
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.9010, 0.3551, 0.3021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

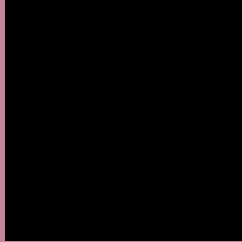
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.9010, 0.3551, 0.3021**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9010, 0.3551, 0.3021.



This preview shows how white text looks on a background with the Yxy color 30.9010, 0.3551, 0.3021.

# 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

30.9010, 0.3551, 0.3021

### Protanopia

30.9771, 0.2998, 0.3077

### Deuteranopia

31.1667, 0.3256, 0.3202



## Tritanopia

30.7913, 0.3627, 0.3141

# Trichromacy



## Original Color

30.9010, 0.3551, 0.3021

## Protanomaly

30.8233, 0.3180, 0.3056

## Deuteranomaly

31.0920, 0.3359, 0.3133

## Tritanomaly

30.8867, 0.3593, 0.3101

# Monochromacy



## Original Color

30.9010, 0.3551, 0.3021

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

31.5254, 0.3278, 0.3188

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9010, 0.3551, 0.3021 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(192, 135, 155)` looks like.

```
.text, #text, p{  
    color:rgb(192, 135, 155)  
}
```

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(192, 135, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 135, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9010, 0.3551, 0.3021 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(192, 135, 155) }
```

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

```
.border{ border-color:rgb(192, 135, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 135, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 135, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 135, 155);  
box-shadow:4px 4px 4px 4px rgb(192, 135,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9010, 0.3551, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 135, 155) }
```

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

```
.background{ background-color: rgb(192,  
135, 155) }
```

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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