

# Converting Colors

$Y_{xy}(29.9855, 0.3680, 0.3219)$

Have a look what the booklet for  
Yxy(29.9855, 0.3680, 0.3219)  
contains.

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# Color

**Yxy(30.0402, 0.3688, 0.3222)**

# Conversions

Conversions Part 1	
Format	Color
Hex	BD878C
RGB	189, 135, 140
RGB Percent	74%, 53%, 55%
CMY	0.2588, 0.4706, 0.4508
CMYK	0.00, 0.29, 0.26, 0.26
HSL	354°, 29%, 64%
HSV	354°, 29%, 74%
XYZ	34.3849, 30.0402, 28.8095
YIQ	151.7160, 30.5790, 13.0030

# Conversions

## Conversions Part 2

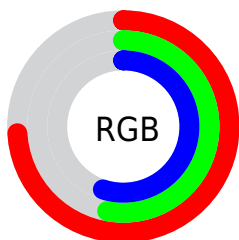
Format	Color
<a href="#">RYB</a>	<a href="#">189, 135, 140</a>
Decimal	<a href="#">12421004</a>
CIELab	<a href="#">61.69, 21.40, 5.55</a>
CIELCh	<a href="#">62, 22.112, 14.534</a>
Yxy	<a href="#">30.0402, 0.3688, 0.3222</a>
Android (android.graphics.Color)	<a href="#">4290611084</a> (0xFFBD878C)
YUV	<a href="#">151.7160, -5.7760, 32.6981</a>
Hunter-Lab	<a href="#">54.8089, 16.0681, 7.2014</a>

# Details

The Yxy color **30.0402, 0.3688, 0.3222** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.0038, 0.2751, 0.3361**, and the grayscale version is **31.2875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8383, 0.3574, 0.3249**, and **12.3035, 0.3878, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **24.7604, 0.3979, 0.3198**, and if you desaturate by 10%, it is **36.3377, 0.3451, 0.3247**.

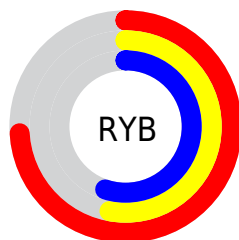
# Distribution



Red (74%)

Green (53%)

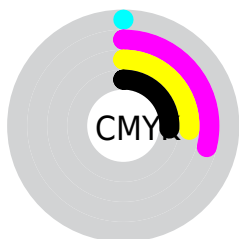
Blue (55%)



Red (74%)

Yellow (53%)

Blue (55%)

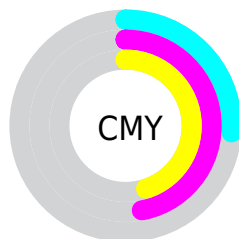


Cyan (0%)

Magenta (29%)

Yellow (26%)

Black (26%)



Cyan (26%)

Magenta (47%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0402, 0.3688, 0.3222 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 30.0402, 0.3688, 0.3222 by changing the saturation by 10% instead.





 30.0402, 0.3688,  
0.3222


 30.0402, 0.3688,  
0.3222


302.0918, 0.3385,  
0.3263


 19.8691, 0.3772,  
0.3209


 59.7257, 0.3572,  
0.3239

 12.2999, 0.3885,  
0.3191


 80.0090, 0.3530,  
0.3244

 6.9483, 0.4046,  
0.3162


 104.4317, 0.3496,  
0.3249

 3.4298, 0.4291,  
0.3114

133.3784, 0.3467,  
0.3253

 1.3600, 0.4709,  
0.3021

167.2333, 0.3442,  
0.3256

 0.1870, 0.7893,  
0.2107


206.3809, 0.3420,


 0.0000, 0.0000,

0.3259

0.0000


251.2056, 0.3402,  
0.3261

 30.0402, 0.3688,  
0.3222


 30.0402, 0.3688,  
0.3222


 24.7604, 0.3979,  
0.3198

 36.3377, 0.3451,  
0.3247

 20.4410, 0.4330,  
0.3176

 43.6979, 0.3261,  
0.3271


 17.0253, 0.4739,  
0.3161


 52.1683, 0.3107,  
0.3293


 14.4491, 0.5185,  
0.3158


 61.7923, 0.2984,  
0.3314


 12.6397, 0.5628,  
0.3171

 72.6108, 0.2884,  
0.3332

 11.5120, 0.6006,  
0.3201

 84.6629, 0.2802,  
0.3349

 10.9278, 0.6268,  
0.3240

 89.5583, 0.2747,  
0.3289

 10.8607, 0.6297,  
0.3243

# Harmonies

## Analogous

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



30.0402, 0.3381, 0.2956



30.0402, 0.3688, 0.3222



30.0402, 0.3837, 0.3516

# Triad

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



30.0402, 0.3688, 0.3222



30.0402, 0.3205, 0.3888



30.0402, 0.2505, 0.2780

# Complementary

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



30.0402, 0.3688, 0.3222



45.0038, 0.2751, 0.3361

# 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.



30.0402, 0.2466, 0.2999



30.0402, 0.3688, 0.3222



30.0402, 0.2857, 0.3661

# Square

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



30.0402, 0.3688, 0.3222



30.0402, 0.3545, 0.3922



30.0402, 0.2591, 0.3323



30.0402, 0.2701, 0.2705



# Rectangle

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



30.0402, 0.3688, 0.3222



30.0402, 0.3822, 0.3697



30.0402, 0.2591, 0.3323



30.0402, 0.2474, 0.2838

# Sweetspot

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



30.0416, 0.3688, 0.3222



77.4544, 0.3270, 0.3269



31.1434, 0.3105, 0.2577



16.2204, 0.3296, 0.3266



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



30.0416, 0.3688, 0.3222



47.9419, 0.3855, 0.3207



36.5466, 0.3665, 0.3586



9.5504, 0.3274, 0.3269



7.3130, 0.6279, 0.3233



0.2914, 0.5874, 0.3009



# Inverse Universe

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



30.0416, 0.3688, 0.3222



47.9419, 0.3855, 0.3207



36.6089, 0.2685, 0.2973



9.5504, 0.3274, 0.3269



7.3130, 0.6279, 0.3233

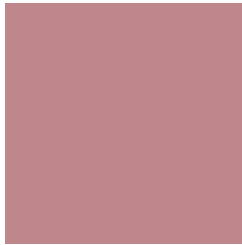


0.2914, 0.5874, 0.3009



# Previews

## White Background



This preview shows how the Yxy color 30.0402, 0.3688, 0.3222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

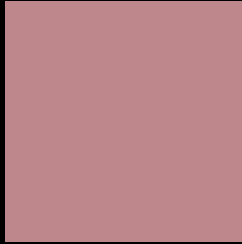
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 30.0402, 0.3688, 0.3222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

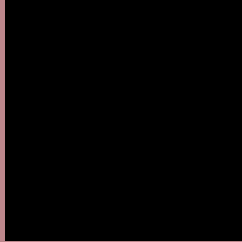
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0402, 0.3688, 0.3222**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.0402, 0.3688, 0.3222.



This preview shows how white text looks on a background with the Yxy color 30.0402, 0.3688, 0.3222.

# 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

30.0402, 0.3688, 0.3222

### Protanopia

30.3084, 0.3167, 0.3306

### Deuteranopia

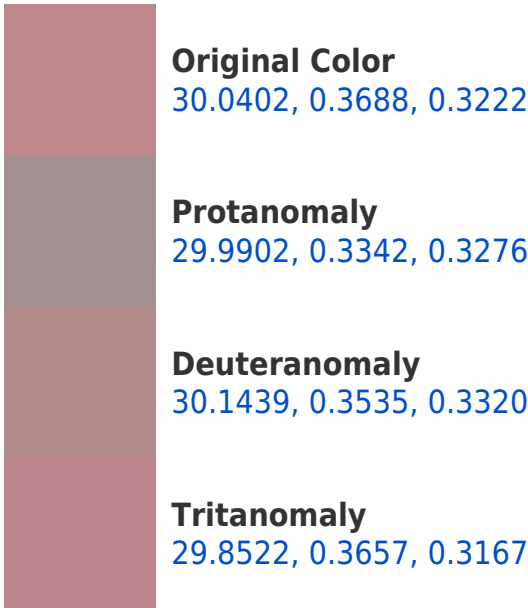
30.1063, 0.3448, 0.3381



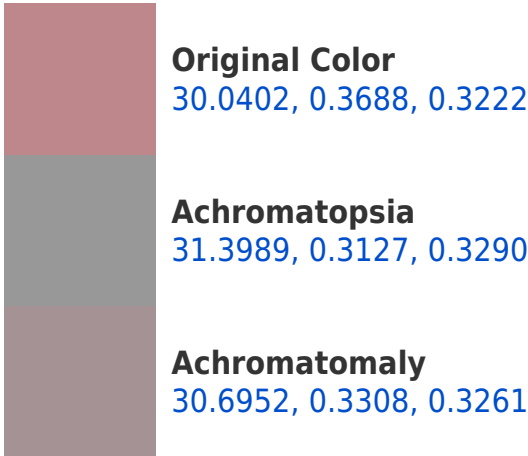
## Tritanopia

29.9133, 0.3634, 0.3140

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0402, 0.3688, 0.3222 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(189, 135, 140) looks like.

```
.text, #text, p{  
    color:rgb(189, 135, 140)  
}
```

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(189, 135, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 135, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0402, 0.3688, 0.3222 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(189, 135, 140) }
```

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

```
.border{ border-color:rgb(189, 135, 140) }
```

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

Here you see how a box with a 4 pixel rgb(189, 135, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 135, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 135, 140);  
box-shadow:4px 4px 4px 4px rgb(189, 135,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0402, 0.3688, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 135, 140) }
```

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

```
.background{ background-color: rgb(189,  
135, 140) }
```

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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