

# Converting Colors

$Y_{xy}(28.4207, 0.3867, 0.3290)$

Have a look what the booklet for  
Yxy(28.4207, 0.3867, 0.3290)  
contains.

<b>Yxy(28.3619, 0.3865, 0.3292)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(28.3619, 0.3865, 0.3292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF8181
RGB	191, 129, 129
RGB Percent	75%, 51%, 51%
CMY	0.2510, 0.4941, 0.4941
CMYK	0.00, 0.32, 0.32, 0.25
HSL	360°, 33%, 63%
HSV	360°, 32%, 75%
XYZ	33.2985, 28.3619, 24.4936
YIQ	147.5380, 36.9520, 13.1440

# Conversions

## Conversions Part 2

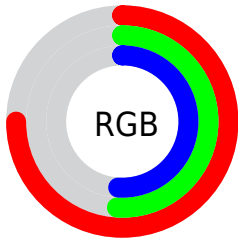
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 129, 129
Decimal	12550529
CIE <sub>Lab</sub>	60.21, 23.97, 9.77
CIE <sub>LCh</sub>	60, 25.882, 22.174
Yxy	28.3619, 0.3865, 0.3292
Android (android.graphics.Color)	4290740609 (0xFFBF8181)
YUV	147.5380, -9.1392, 38.1162
Hunter-Lab	53.2559, 18.4102, 10.0103

# Details

The Yxy color **28.3619, 0.3865, 0.3292** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.6881, 0.2670, 0.3289**, and the grayscale version is **29.4404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9730, 0.3712, 0.3292**, and **11.4054, 0.4133, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **23.3315, 0.4215, 0.3293**, and if you desaturate by 10%, it is **34.4304, 0.3579, 0.3291**.

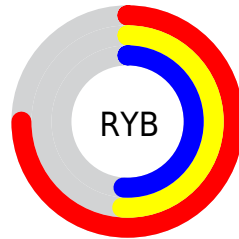
# Distribution



Red (75%)

Green (51%)

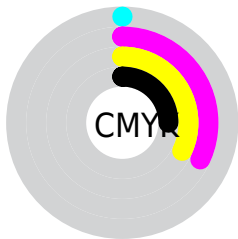
Blue (51%)



Red (75%)

Yellow (51%)

Blue (51%)

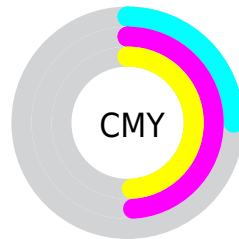


Cyan (0%)

Magenta (32%)

Yellow (32%)

Black (25%)



Cyan (25%)

Magenta (49%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3619, 0.3865, 0.3292 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 28.3619, 0.3865, 0.3292 by changing the saturation by 10% instead.





 28.3619, 0.3865,  
0.3292


 28.3619, 0.3865,  
0.3292


294.1922, 0.3462,  
0.3300

 18.5986, 0.3978,  
0.3286


 57.0617, 0.3710,  
0.3298

 11.3806, 0.4131,  
0.3275


 76.7671, 0.3654,  
0.3299

 6.3235, 0.4351,  
0.3255


 100.5552, 0.3608,  
0.3300

 3.0427, 0.4687,  
0.3213

128.8106, 0.3570,  
0.3300

 1.1541, 0.5343,  
0.3157

161.9176, 0.3537,  
0.3300

 0.0237, 0.9624,  
0.0376


200.2606, 0.3508,


 0.0000, 0.0000,


0.3300


0.0000

244.2240, 0.3484,  
0.3300


 28.3619, 0.3865,  
0.3292


 28.3619, 0.3865,  
0.3292


 23.3315, 0.4215,  
0.3293

 34.4304, 0.3579,  
0.3291


 19.2772, 0.4629,  
0.3294

 41.5861, 0.3350,  
0.3291


 16.1371, 0.5094,  
0.3296


 49.8802, 0.3166,  
0.3290

 13.8400, 0.5568,  
0.3297


 59.3592, 0.3019,  
0.3290


 12.3047, 0.5984,  
0.3298

 70.0671, 0.2901,  
0.3289

 11.4339, 0.6270,  
0.3299

 82.0456, 0.2806,  
0.3289

 11.0758, 0.6401,  
0.3300

 89.8158, 0.2757,  
0.3289

# Harmonies

## Analogous

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



28.3619, 0.3534, 0.2968



28.3619, 0.3865, 0.3292



28.3619, 0.3981, 0.3636

# Triad

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



28.3619, 0.3865, 0.3292



28.3619, 0.3106, 0.3962



28.3619, 0.2435, 0.2646

# Complementary

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



28.3619, 0.3865, 0.3292



45.6881, 0.2670, 0.3289

# 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.



28.3619, 0.2341, 0.2858



28.3619, 0.3865, 0.3292



28.3619, 0.2710, 0.3639

# Square

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



28.3619, 0.3865, 0.3292



28.3619, 0.3525, 0.4060



28.3619, 0.2437, 0.3218



28.3619, 0.2704, 0.2606



# Rectangle

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



28.3619, 0.3865, 0.3292



28.3619, 0.3919, 0.3839



28.3619, 0.2437, 0.3218



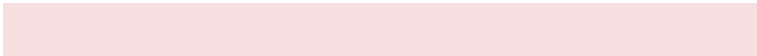
28.3619, 0.2383, 0.2698

# Sweetspot

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



28.3633, 0.3865, 0.3292



77.7149, 0.3304, 0.3290



30.4058, 0.3154, 0.2492



16.6235, 0.3332, 0.3291



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.



28.3633, 0.3865, 0.3292



44.1647, 0.4109, 0.3293



37.4460, 0.3736, 0.3697



9.5364, 0.3288, 0.3290



7.2793, 0.6401, 0.3300



0.2851, 0.6400, 0.3299



# Inverse Universe

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



28.3633, 0.3865, 0.3292



44.1647, 0.4109, 0.3293



33.9305, 0.2615, 0.2843



9.5364, 0.3288, 0.3290



7.2793, 0.6401, 0.3300



0.2851, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 28.3619, 0.3865, 0.3292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

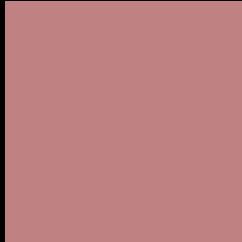
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.3619, 0.3865, 0.3292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

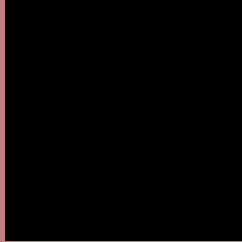
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.3619, 0.3865, 0.3292**

## Background



This preview shows how black text looks on a background with the Yxy color 28.3619, 0.3865, 0.3292.



This preview shows how white text looks on a background with the Yxy color 28.3619, 0.3865, 0.3292.

# 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

28.3619, 0.3865, 0.3292

### Protanopia

28.5410, 0.3260, 0.3418

### Deuteranopia

28.3955, 0.3556, 0.3490



## Tritanopia

28.4510, 0.3784, 0.3169

# Trichromacy



## Original Color

28.3619, 0.3865, 0.3292

## Protanomaly

28.1858, 0.3471, 0.3367

## Deuteranomaly

28.2808, 0.3663, 0.3410

## Tritanomaly

28.3660, 0.3820, 0.3210

# Monochromacy



## Original Color

28.3619, 0.3865, 0.3292

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

28.8654, 0.3379, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.3619, 0.3865, 0.3292 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(191, 129, 129)` looks like.

```
.text, #text, p{  
    color:rgb(191, 129, 129)  
}
```

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(191, 129, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 129, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 28.3619, 0.3865, 0.3292 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(191, 129, 129) }
```

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

```
.border{ border-color:rgb(191, 129, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 129, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 129, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 129, 129); box-shadow:4px 4px 4px 4px rgb(191, 129, 129) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.3619, 0.3865, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 129, 129) }
```

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

```
.background{ background-color: rgb(191,  
129, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor