

# Converting Colors

$Y_{xy}(49.6988, 0.3308, 0.3138)$

Have a look what the booklet for  
Yxy(49.6988, 0.3308, 0.3138)  
contains.

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# Color

**Yxy(49.8507, 0.3308, 0.3147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3B3BF
RGB	211, 179, 191
RGB Percent	83%, 70%, 75%
CMY	0.1723, 0.2981, 0.2509
CMYK	0.00, 0.15, 0.09, 0.17
HSL	338°, 27%, 76%
HSV	338°, 15%, 83%
XYZ	52.4011, 49.8507, 56.1553
YIQ	189.9360, 15.2200, 10.5160

# Conversions

## Conversions Part 2

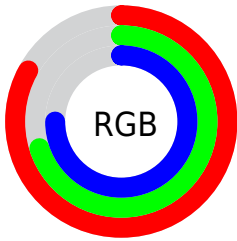
Format	Color
R <sub>Y</sub> B	211, 179, 191
Decimal	13874111
CIE Lab	75.98, 13.53, -1.81
CIE LCh	76, 13.653, 352.396
Yxy	49.8507, 0.3308, 0.3147
Android (android.graphics.Color)	4292064191 (0xFFD3B3BF)
YUV	189.9360, 0.5246, 18.4731
Hunter-Lab	70.6050, 8.9188, 2.2676

# Details

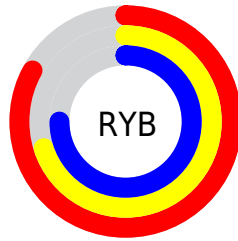
The Yxy color  $49.8507, 0.3308, 0.3147$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $60.3244, 0.2975, 0.3438$ , and the grayscale version is  $51.4485, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.3921, 0.3186, 0.3174$ , and  $23.8246, 0.3351, 0.3099$  is the 20% darker color. If you saturate the color by 10%, you get  $41.4764, 0.3460, 0.3047$ , and if you desaturate by 10%, it is  $59.5766, 0.3183, 0.3243$ .

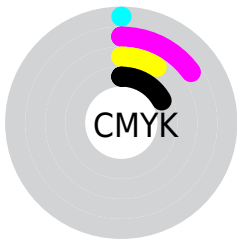
# Distribution



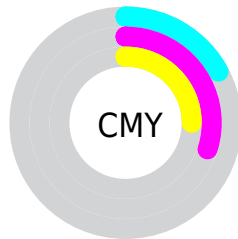
- Red (83%)
- Green (70%)
- Blue (75%)



- Red (83%)
- Yellow (70%)
- Blue (75%)



- Cyan (0%)
- Magenta (15%)
- Yellow (9%)
- Black (17%)




- Cyan (17%)
- Magenta (30%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8507, 0.3308, 0.3147 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 49.8507, 0.3308, 0.3147 by changing the saturation by 10% instead.




 49.8507, 0.3308,  
0.3147

 49.8507, 0.3308,  
0.3147


386.0818, 0.3219,  
0.3217

 35.2948, 0.3330,  
0.3130


 89.9536, 0.3276,  
0.3172

 23.8900, 0.3358,  
0.3108


116.2694, 0.3264,  
0.3182

 15.2521, 0.3395,  
0.3079


147.2740, 0.3253,  
0.3190

 8.9965, 0.3445,  
0.3040

183.3517, 0.3245,  
0.3197

 4.7389, 0.3520,  
0.2983

224.8869, 0.3237,  
0.3203

 2.0949, 0.3640,  
0.2892

272.2641, 0.3230,

 0.6617, 0.3901,

0.3208

0.2675

325.8676, 0.3224,  
0.3213

0.0000, 0.0000,  
0.0000

49.8507, 0.3308,  
0.3147

49.8507, 0.3308,  
0.3147

41.4764, 0.3460,  
0.3047

59.5766, 0.3183,  
0.3243

34.3869, 0.3645,  
0.2945

70.7036, 0.3081,  
0.3332

28.5198, 0.3865,  
0.2848

83.2870, 0.2997,  
0.3415

23.8048, 0.4123,  
0.2762

91.8958, 0.2926,  
0.3406

20.1643, 0.4415,  
0.2698

92.5975, 0.2866,  
0.3289

■ 17.5113, 0.4733,  
0.2670

■ 15.7446, 0.5057,  
0.2689

■ 14.7410, 0.5363,  
0.2760

■ 14.4240, 0.5501,  
0.2804

# Harmonies

## Analogous

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



49.8507, 0.3122, 0.3030



49.8507, 0.3308, 0.3147



49.8507, 0.3447, 0.3301

# Triad

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



49.8507, 0.3308, 0.3147



49.8507, 0.3307, 0.3620



49.8507, 0.2770, 0.3107

# Complementary

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



49.8507, 0.3308, 0.3147



60.3244, 0.2975, 0.3438

# 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.



49.8507, 0.2817, 0.3266



49.8507, 0.3308, 0.3147



49.8507, 0.3123, 0.3570

# Square

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



49.8507, 0.3308, 0.3147



49.8507, 0.3445, 0.3576



49.8507, 0.2945, 0.3438



49.8507, 0.2816, 0.3003



# Rectangle

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



49.8507, 0.3308, 0.3147



49.8507, 0.3492, 0.3407



49.8507, 0.2945, 0.3438



49.8507, 0.2776, 0.3155

# Sweetspot

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



49.8529, 0.3308, 0.3147



91.6305, 0.3181, 0.3244



49.0492, 0.3043, 0.2905



19.3704, 0.3189, 0.3237



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



49.8529, 0.3308, 0.3147



72.4180, 0.3351, 0.3117



50.8652, 0.3403, 0.3336



11.8805, 0.3233, 0.3203



8.7178, 0.5462, 0.2783



0.5027, 0.4961, 0.2507



# Inverse Universe

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



49.8529, 0.3308, 0.3147



72.4180, 0.3351, 0.3117



59.0669, 0.2896, 0.3244



11.8805, 0.3233, 0.3203



8.7178, 0.5462, 0.2783



0.5027, 0.4961, 0.2507



# Previews

## White Background



This preview shows how the Yxy color 49.8507, 0.3308, 0.3147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

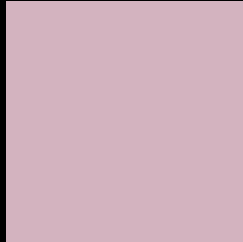
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8507, 0.3308, 0.3147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

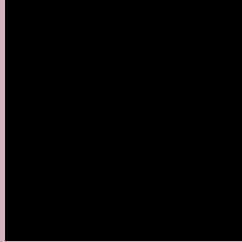
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8507, 0.3308, 0.3147**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8507, 0.3308, 0.3147.



This preview shows how white text looks on a background with the Yxy color 49.8507, 0.3308, 0.3147.

# 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

49.8507, 0.3308, 0.3147

### Protanopia

49.7493, 0.3075, 0.3177

### Deuteranopia

50.0549, 0.3243, 0.3181



## Tritanopia

49.9393, 0.3291, 0.3124

# Trichromacy



## Original Color

49.8507, 0.3308, 0.3147

## Protanomaly

49.4978, 0.3150, 0.3154

## Deuteranomaly

50.0747, 0.3270, 0.3170

## Tritanomaly

49.8949, 0.3299, 0.3136

# Monochromacy



## Original Color

49.8507, 0.3308, 0.3147

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

50.8413, 0.3196, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8507, 0.3308, 0.3147 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(211, 179, 191)` looks like.

```
.text, #text, p{  
    color:rgb(211, 179, 191)  
}
```

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(211, 179, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 179, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8507, 0.3308, 0.3147 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(211, 179, 191) }
```

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

```
.border{ border-color:rgb(211, 179, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 179, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 179, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 179, 191);  
box-shadow:4px 4px 4px 4px rgb(211, 179,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8507, 0.3308, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 179, 191) }
```

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

```
.background{ background-color: rgb(211,  
179, 191) }
```

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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