

# Converting Colors

$Yxy(49.9693, 0.3358, 0.3513)$

Have a look what the booklet for  
Yxy(49.9693, 0.3358, 0.3513)  
contains.

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# Color

**Yxy(49.8527, 0.3357, 0.3505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5BAA9
RGB	197, 186, 169
RGB Percent	77%, 73%, 66%
CMY	0.2274, 0.2706, 0.3373
CMYK	0.00, 0.06, 0.14, 0.23
HSL	36°, 19%, 72%
HSV	36°, 14%, 77%
XYZ	47.7477, 49.8527, 44.6327
YIQ	187.3510, 12.0130, -2.9550

# Conversions

## Conversions Part 2

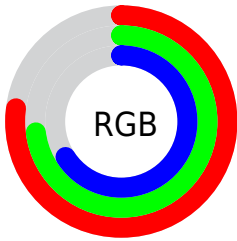
Format	Color
<a href="#">RYB</a>	<a href="#">187, 197, 169</a>
Decimal	<a href="#">12958377</a>
CIELab	<a href="#">75.98, 1.01, 10.02</a>
CIElCh	<a href="#">76, 10.066, 84.224</a>
Yxy	<a href="#">49.8527, 0.3357, 0.3505</a>
Android (android.graphics.Color)	<a href="#">4291148457 (0xFFC5BAA9)</a>
YUV	<a href="#">187.3510, -9.0470, 8.4622</a>
Hunter-Lab	<a href="#">70.6064, -2.8505, 11.9453</a>

# Details

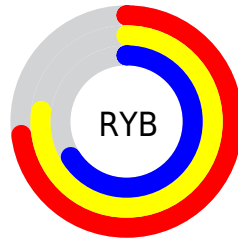
The Yxy color  $49.8527, 0.3357, 0.3505$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $45.1057, 0.2906, 0.3065$ , and the grayscale version is  $49.9510, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.9569, 0.3319, 0.3468$ , and  $23.8991, 0.3419, 0.3564$  is the 20% darker color. If you saturate the color by 10%, you get  $45.9964, 0.3541, 0.3664$ , and if you desaturate by 10%, it is  $54.0016, 0.3192, 0.3352$ .

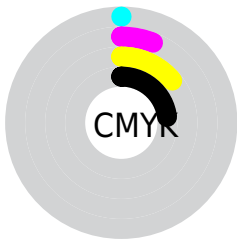
# Distribution



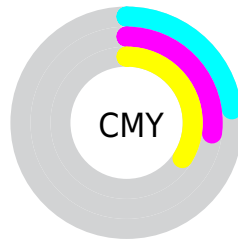
- Red (77%)
- Green (73%)
- Blue (66%)



- Red (73%)
- Yellow (77%)
- Blue (66%)



- Cyan (0%)
- Magenta (6%)
- Yellow (14%)
- Black (23%)




- Cyan (23%)
- Magenta (27%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8527, 0.3357, 0.3505 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 49.8527, 0.3357, 0.3505 by changing the saturation by 10% instead.





 49.8527, 0.3357,  
0.3505

 49.8527, 0.3357,  
0.3505


386.0896, 0.3243,  
0.3399

 35.2964, 0.3385,  
0.3531


 89.9566, 0.3316,  
0.3467

 23.8913, 0.3421,  
0.3564

116.2729, 0.3300,  
0.3452

 15.2530, 0.3468,  
0.3608


147.2781, 0.3287,  
0.3440

 8.9971, 0.3534,  
0.3668

183.3564, 0.3276,  
0.3430

 4.7393, 0.3629,  
0.3755

224.8924, 0.3266,  
0.3420

 2.0951, 0.3783,  
0.3894

272.2703, 0.3258,

 0.6619, 0.4893,

0.3412

0.4953

325.8746, 0.3250,  
0.3405

0.0000, 0.0000,  
0.0000

49.8527, 0.3357,  
0.3505

49.8527, 0.3357,  
0.3505

45.9964, 0.3541,  
0.3664

54.0016, 0.3192,  
0.3352

42.4183, 0.3743,  
0.3825

58.4438, 0.3044,  
0.3208

39.1125, 0.3960,  
0.3982

63.1886, 0.2914,  
0.3074

36.0701, 0.4188,  
0.4126

68.2427, 0.2798,  
0.2949

33.2820, 0.4418,  
0.4246

72.7819, 0.2764,  
0.2961

■ 30.7377, 0.4640,  
0.4331

■ 77.0549, 0.2770,  
0.3047

■ 28.4258, 0.4843,  
0.4369

■ 81.5199, 0.2777,  
0.3131

■ 26.3331, 0.5014,  
0.4356

■ 86.1794, 0.2783,  
0.3214

■ 25.2127, 0.5102,  
0.4331

■ 90.6123, 0.2789,  
0.3289

# Harmonies

## Analogous

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



49.8527, 0.3399, 0.3422



49.8527, 0.3357, 0.3505



49.8527, 0.3253, 0.3532

# Triad

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



49.8527, 0.3357, 0.3505



49.8527, 0.2893, 0.3266



49.8527, 0.3133, 0.3101

# Complementary

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



49.8527, 0.3357, 0.3505



45.1057, 0.2906, 0.3065

# 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.



49.8527, 0.2999, 0.3059



49.8527, 0.3357, 0.3505



49.8527, 0.2863, 0.3150

# Square

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



49.8527, 0.3357, 0.3505



49.8527, 0.2986, 0.3392



49.8527, 0.2901, 0.3075



49.8527, 0.3268, 0.3191



# Rectangle

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



49.8527, 0.3357, 0.3505



49.8527, 0.3163, 0.3512



49.8527, 0.2901, 0.3075



49.8527, 0.3086, 0.3081

# Sweetspot

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



49.8549, 0.3357, 0.3505



96.8302, 0.3189, 0.3350



43.5450, 0.3288, 0.3148



20.6001, 0.3201, 0.3361



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

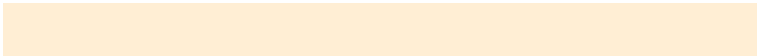


# Same Dimension

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



49.8549, 0.3357, 0.3505



87.1270, 0.3411, 0.3553



54.3006, 0.3315, 0.3641



11.6904, 0.3275, 0.3430



16.7473, 0.5087, 0.4343



0.9312, 0.4853, 0.4529



# Inverse Universe

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



45.1057, 0.2906, 0.3065



77.0272, 0.2856, 0.3013



41.1477, 0.2925, 0.2919



10.9596, 0.2983, 0.3146



6.3314, 0.1683, 0.1258

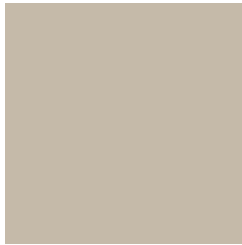


0.4403, 0.1801, 0.1683



# Previews

## White Background



This preview shows how the Yxy color 49.8527, 0.3357, 0.3505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

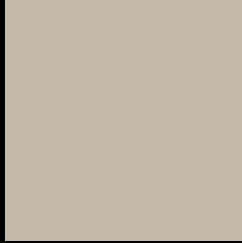
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8527, 0.3357, 0.3505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

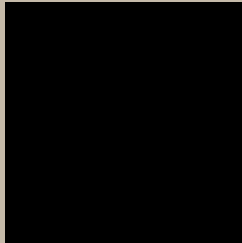
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8527, 0.3357, 0.3505**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8527, 0.3357, 0.3505.



This preview shows how white text looks on a background with the Yxy color 49.8527, 0.3357, 0.3505.

# 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

49.8527, 0.3357, 0.3505

### Protanopia

50.0073, 0.3338, 0.3518

### Deuteranopia

49.9471, 0.3492, 0.3424



## Tritanopia

49.8589, 0.3177, 0.3120

# Trichromacy



## Original Color

49.8527, 0.3357, 0.3505

## Protanomaly

50.1410, 0.3346, 0.3518

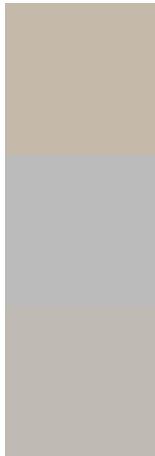
## Deuteranomaly

50.0347, 0.3443, 0.3450

## Tritanomaly

49.6915, 0.3248, 0.3253

# Monochromacy



## Original Color

49.8527, 0.3357, 0.3505

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.9123, 0.3215, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8527, 0.3357, 0.3505 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(197, 186, 169)` looks like.

```
.text, #text, p{  
    color:rgb(197, 186, 169)  
}
```

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(197, 186, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 186, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8527, 0.3357, 0.3505 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(197, 186, 169) }
```

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

```
.border{ border-color:rgb(197, 186, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 186, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 186, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 186, 169);  
box-shadow:4px 4px 4px 4px rgb(197, 186,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8527, 0.3357, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 186, 169) }
```

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

```
.background{ background-color: rgb(197,  
186, 169) }
```

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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