

# Converting Colors

$Y_{xy}(49.7999, 0.3532, 0.3956)$

Have a look what the booklet for  
Yxy(49.7999, 0.3532, 0.3956)  
contains.

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# Color

**Yxy(49.6381, 0.3527, 0.3951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BEBE8B</b>
RGB	190, 190, 139
RGB Percent	75%, 75%, 55%
CMY	0.2549, 0.2549, 0.4548
CMYK	0.00, 0.00, 0.27, 0.25
HSL	60°, 28%, 65%
HSV	60°, 27%, 75%
XYZ	44.3112, 49.6381, 31.6850
YIQ	184.1860, 16.3710, -15.8610

# Conversions

## Conversions Part 2

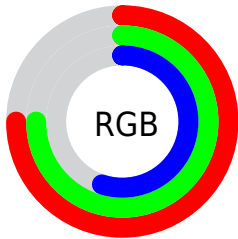
Format	Color
<a href="#">RYB</a>	<a href="#">139, 190, 139</a>
Decimal	<a href="#">12500619</a>
CIELab	<a href="#">75.85, -8.19, 25.82</a>
CIELCh	<a href="#">76, 27.090, 107.600</a>
Yxy	<a href="#">49.6381, 0.3527, 0.3951</a>
Android (android.graphics.Color)	<a href="#">4290690699 (0xFFBEBE8B)</a>
YUV	<a href="#">184.1860, -22.2767, 5.0989</a>
Hunter-Lab	<a href="#">70.4543, -11.0301, 22.6539</a>

# Details

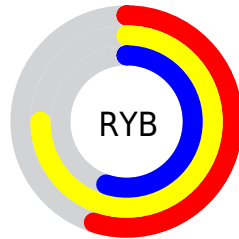
The Yxy color **49.6381, 0.3527, 0.3951** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.6857, 0.2668, 0.2531**, and the grayscale version is **48.1623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5359, 0.3460, 0.3827**, and **23.8301, 0.3633, 0.4150** is the 20% darker color. If you saturate the color by 10%, you get **49.1321, 0.3673, 0.4193**, and if you desaturate by 10%, it is **50.2451, 0.3376, 0.3702**.

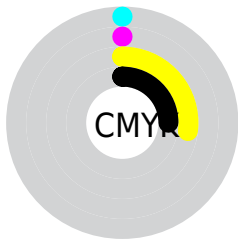
# Distribution



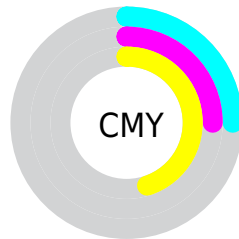
- Red (75%)
- Green (75%)
- Blue (55%)



- Red (55%)
- Yellow (75%)
- Blue (55%)



- Cyan (0%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)




- Cyan (25%)
- Magenta (25%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6381, 0.3527, 0.3951 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 49.6381, 0.3527, 0.3951 by changing the saturation by 10% instead.




 49.6381, 0.3527,  
0.3951


 49.6381, 0.3527,  
0.3951


385.2490, 0.3334,  
0.3620


 35.1259, 0.3572,  
0.4033


 89.6384, 0.3459,  
0.3831

 23.7599, 0.3629,  
0.4137


 115.8954, 0.3433,  
0.3786

 15.1556, 0.3700,  
0.4275


 146.8361, 0.3410,  
0.3748

 8.9287, 0.3791,  
0.4462

182.8449, 0.3391,  
0.3715

 4.6947, 0.3909,  
0.4728

224.3061, 0.3374,  
0.3686

 2.0693, 0.4293,  
0.5432

271.6043, 0.3359,

 0.6473, 0.3908,

0.3662

0.6092

325.1238, 0.3346,  
0.3640

0.0000, 0.0000,  
0.0000

49.6381, 0.3527,  
0.3951

49.6381, 0.3527,  
0.3951

49.1321, 0.3673,  
0.4193

50.2451, 0.3376,  
0.3702

48.7154, 0.3810,  
0.4420

50.9510, 0.3227,  
0.3455

48.3848, 0.3932,  
0.4621

51.7625, 0.3082,  
0.3215

48.1343, 0.4033,  
0.4787

52.6835, 0.2944,  
0.2987

47.9571, 0.4109,  
0.4914

53.7180, 0.2816,  
0.2775

■ 47.8453, 0.4160,  
0.4998

■ 54.8697, 0.2697,  
0.2579

■ 47.7881, 0.4187,  
0.5042

■ 54.9954, 0.2685,  
0.2559

■ 47.7749, 0.4193,  
0.5053

■ 54.9955, 0.2685,  
0.2559

■ 54.9955, 0.2685,  
0.2559

# Harmonies

## Analogous

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



49.6381, 0.3787, 0.3814



49.6381, 0.3527, 0.3951



49.6381, 0.3169, 0.3895

# Triad

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



49.6381, 0.3527, 0.3951



49.6381, 0.2440, 0.2958



49.6381, 0.3427, 0.2970

# Complementary

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



49.6381, 0.3527, 0.3951



27.6857, 0.2668, 0.2531

# 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.



49.6381, 0.3050, 0.2768



49.6381, 0.3527, 0.3951



49.6381, 0.2498, 0.2747

# Square

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



49.6381, 0.3527, 0.3951



49.6381, 0.2551, 0.3286



49.6381, 0.2714, 0.2685



49.6381, 0.3733, 0.3250



# Rectangle

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



49.6381, 0.3527, 0.3951



49.6381, 0.2925, 0.3744



49.6381, 0.2714, 0.2685



49.6381, 0.3304, 0.2891

# Sweetspot

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



49.6403, 0.3527, 0.3951



92.1507, 0.3246, 0.3487



31.3132, 0.3687, 0.3280



20.1908, 0.3269, 0.3524



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.



49.6403, 0.3527, 0.3951



89.4080, 0.3611, 0.4090



46.7319, 0.3310, 0.4000



11.1205, 0.3264, 0.3517



31.7668, 0.4193, 0.5053



1.2443, 0.4193, 0.5053



# Inverse Universe

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



27.6857, 0.2668, 0.2531



43.1622, 0.2553, 0.2341



30.0510, 0.2898, 0.2578



9.2254, 0.2984, 0.3053



2.4721, 0.1500, 0.0600



0.0968, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 49.6381, 0.3527, 0.3951 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 49.6381, 0.3527, 0.3951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

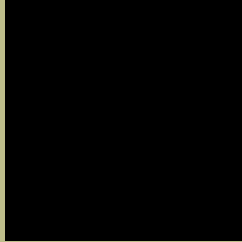
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

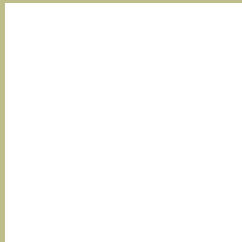
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.6381, 0.3527, 0.3951**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.6381, 0.3527, 0.3951.



This preview shows how white text looks on a background with the Yxy color 49.6381, 0.3527, 0.3951.

# 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

49.6381, 0.3527, 0.3951

### Protanopia

49.7931, 0.3644, 0.3907

### Deuteranopia

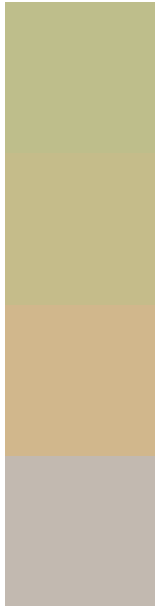
49.3789, 0.3825, 0.3744



## Tritanopia

49.3574, 0.3136, 0.3106

# Trichromacy



## Original Color

49.6381, 0.3527, 0.3951

## Protanomaly

49.6717, 0.3605, 0.3927

## Deuteranomaly

49.3157, 0.3716, 0.3821

## Tritanomaly

49.3018, 0.3275, 0.3404

# Monochromacy



## Original Color

49.6381, 0.3527, 0.3951

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.3841, 0.3269, 0.3524

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6381, 0.3527, 0.3951 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(190, 190, 139)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 139)  
}
```

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(190, 190, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6381, 0.3527, 0.3951 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(190, 190, 139) }
```

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

```
.border{ border-color:rgb(190, 190, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 190, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 190, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 190, 139); box-shadow:4px 4px 4px 4px rgb(190, 190, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6381, 0.3527, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 139) }
```

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

```
.background{ background-color: rgb(190,  
190, 139) }
```

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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