

# Converting Colors

$Yxy(49.3739, 0.3282, 0.3493)$

Have a look what the booklet for  
Yxy(49.3739, 0.3282, 0.3493)  
contains.

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# Color

**Yxy(49.4281, 0.3278, 0.3495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEBBAB
RGB	190, 187, 171
RGB Percent	75%, 73%, 67%
CMY	0.2549, 0.2667, 0.3293
CMYK	0.00, 0.02, 0.10, 0.25
HSL	50°, 13%, 71%
HSV	50°, 10%, 75%
XYZ	46.3592, 49.4281, 45.6379
YIQ	186.0730, 6.9240, -4.3400

# Conversions

## Conversions Part 2

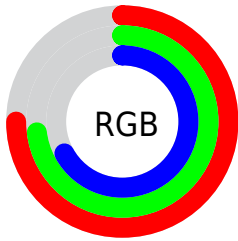
Format	Color
<a href="#">RYB</a>	<a href="#">175, 190, 171</a>
Decimal	<a href="#">12499883</a>
CIELab	<a href="#">75.72, -1.75, 8.46</a>
CIELCh	<a href="#">76, 8.636, 101.685</a>
Yxy	<a href="#">49.4281, 0.3278, 0.3495</a>
Android (android.graphics.Color)	<a href="#">4290689963</a> ( <a href="#">0xFFBEBBAB</a> )
YUV	<a href="#">186.0730, -7.4310, 3.4440</a>
Hunter-Lab	<a href="#">70.3051, -5.3311, 10.7260</a>

# Details

The Yxy color  $49.4281, 0.3278, 0.3495$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $42.6635, 0.2974, 0.3076$ , and the grayscale version is  $49.1878, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.1850, 0.3251, 0.3461$ , and  $23.7005, 0.3323, 0.3552$  is the 20% darker color. If you saturate the color by 10%, you get  $47.4935, 0.3438, 0.3707$ , and if you desaturate by 10%, it is  $51.4980, 0.3127, 0.3290$ .

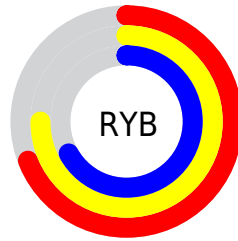
# Distribution



Red (75%)

Green (73%)

Blue (67%)



Red (69%)

Yellow (75%)

Blue (67%)

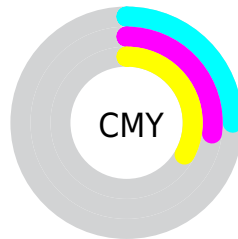


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4281, 0.3278, 0.3495 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 49.4281, 0.3278, 0.3495 by changing the saturation by 10% instead.



■ 49.4281, 0.3278,  
0.3495

■ 49.4281, 0.3278,  
0.3495

384.4252, 0.3204,  
0.3393

■ 34.9592, 0.3296,  
0.3520

■ 89.3269, 0.3251,  
0.3458

■ 23.6314, 0.3320,  
0.3553

115.5257, 0.3241,  
0.3444

■ 15.0605, 0.3351,  
0.3596

146.4031, 0.3232,  
0.3432

■ 8.8618, 0.3393,  
0.3655

182.3437, 0.3225,  
0.3422

■ 4.6512, 0.3455,  
0.3744

223.7318, 0.3219,  
0.3414

■ 2.0441, 0.3555,  
0.3888

270.9519, 0.3213,

■ 0.6329, 0.4333,

0.3406

0.4908

324.3882, 0.3208,  
0.3399

0.0000, 0.0000,  
0.0000

49.4281, 0.3278,  
0.3495

49.4281, 0.3278,  
0.3495

47.4935, 0.3438,  
0.3707

51.4980, 0.3127,  
0.3290

45.6830, 0.3605,  
0.3922

53.7009, 0.2987,  
0.3095

43.9940, 0.3774,  
0.4131

56.0432, 0.2859,  
0.2913

42.4212, 0.3940,  
0.4327

58.5286, 0.2742,  
0.2745

40.9587, 0.4096,  
0.4500

60.4301, 0.2698,  
0.2699

■ 39.6002, 0.4235,  
0.4639

■ 61.8563, 0.2701,  
0.2733

■ 38.3384, 0.4351,  
0.4737

■ 63.3102, 0.2704,  
0.2768

■ 37.1647, 0.4439,  
0.4791

■ 64.7920, 0.2707,  
0.2802

■ 36.0624, 0.4504,  
0.4806

■ 66.3017, 0.2711,  
0.2837

# Harmonies

## Analogous

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



49.4281, 0.3347, 0.3450



49.4281, 0.3278, 0.3495



49.4281, 0.3169, 0.3484

# Triad

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



49.4281, 0.3278, 0.3495



49.4281, 0.2903, 0.3209



49.4281, 0.3202, 0.3168

# Complementary

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



49.4281, 0.3278, 0.3495



42.6635, 0.2974, 0.3076

# 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.



49.4281, 0.3082, 0.3106



49.4281, 0.3278, 0.3495



49.4281, 0.2911, 0.3127

# Square

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



49.4281, 0.3278, 0.3495



49.4281, 0.2953, 0.3316



49.4281, 0.2976, 0.3090



49.4281, 0.3303, 0.3262



# Rectangle

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



49.4281, 0.3278, 0.3495



49.4281, 0.3089, 0.3445



49.4281, 0.2976, 0.3090



49.4281, 0.3163, 0.3143

# Sweetspot

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



49.4303, 0.3278, 0.3495



92.1429, 0.3172, 0.3352



43.1473, 0.3273, 0.3249



20.1662, 0.3184, 0.3368



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.



49.4303, 0.3278, 0.3495



88.7742, 0.3313, 0.3541



49.9218, 0.3220, 0.3536



10.8562, 0.3268, 0.3482



24.0719, 0.4499, 0.4810



1.0131, 0.4415, 0.4877



# Inverse Universe

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



42.6635, 0.2974, 0.3076



74.0297, 0.2937, 0.3026



42.2426, 0.3028, 0.3040



9.4629, 0.2984, 0.3091



3.1689, 0.1541, 0.0748



0.2020, 0.1647, 0.1129



# Previews

## White Background



This preview shows how the Yxy color 49.4281, 0.3278, 0.3495 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 49.4281, 0.3278, 0.3495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

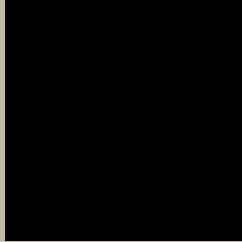
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

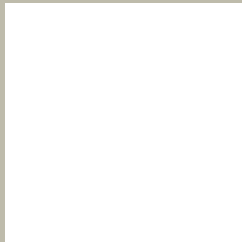
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4281, 0.3278, 0.3495**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.4281, 0.3278, 0.3495.



This preview shows how white text looks on a background with the Yxy color 49.4281, 0.3278, 0.3495.

# 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

49.4281, 0.3278, 0.3495

### Protanopia

49.4894, 0.3322, 0.3494

### Deuteranopia

49.3227, 0.3459, 0.3388



## Tritanopia

49.4135, 0.3102, 0.3105

# Trichromacy



## Original Color

49.4281, 0.3278, 0.3495

## Protanomaly

49.3575, 0.3314, 0.3494

## Deuteranomaly

49.5420, 0.3390, 0.3427

## Tritanomaly

49.2493, 0.3172, 0.3240

# Monochromacy



## Original Color

49.4281, 0.3278, 0.3495

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.0188, 0.3174, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4281, 0.3278, 0.3495 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, 187, 171)` looks like.

```
.text, #text, p{  
    color:rgb(190, 187, 171)  
}
```

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, 187, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 187, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4281, 0.3278, 0.3495 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, 187, 171) }
```

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

```
.border{ border-color:rgb(190, 187, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 187, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 187, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 187, 171);  
box-shadow:4px 4px 4px 4px rgb(190, 187,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4281, 0.3278, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 187, 171) }
```

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

```
.background{ background-color: rgb(190,  
187, 171) }
```

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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