

# Converting Colors

$Yxy(49.2345, 0.3267, 0.3521)$

Have a look what the booklet for  
Yxy(49.2345, 0.3267, 0.3521)  
contains.

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# Color

**Yxy(49.0077, 0.3260, 0.3510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBBBAA
RGB	187, 187, 170
RGB Percent	73%, 73%, 67%
CMY	0.2667, 0.2666, 0.3333
CMYK	0.00, 0.00, 0.09, 0.27
HSL	60°, 11%, 70%
HSV	60°, 9%, 73%
XYZ	45.5171, 49.0077, 45.0983
YIQ	185.0620, 5.4570, -5.2870

# Conversions

## Conversions Part 2

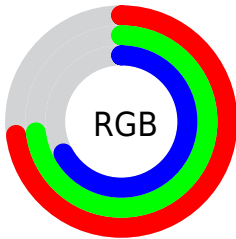
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 187, 170
Decimal	12303274
CIELab	75.46, -3.02, 8.60
CIELCh	75, 9.115, 109.365
Yxy	49.0077, 0.3260, 0.3510
Android (android.graphics.Color)	4290493354 (0xFFBBBBAA)
YUV	185.0620, -7.4256, 1.6996
Hunter-Lab	70.0055, -6.4501, 10.8086

# Details

The Yxy color  $49.0077, 0.3260, 0.3510$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $40.8950, 0.2988, 0.3060$ , and the grayscale version is  $48.5920, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.5921, 0.3237, 0.3472$ , and  $23.4265, 0.3298, 0.3572$  is the 20% darker color. If you saturate the color by 10%, you get  $48.3477, 0.3410, 0.3758$ , and if you desaturate by 10%, it is  $49.7727, 0.3114, 0.3268$ .

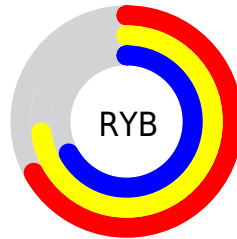
# Distribution



Red (73%)

Green (73%)

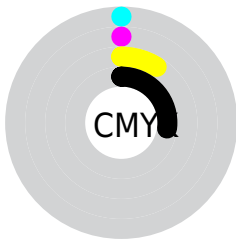
Blue (67%)



Red (67%)

Yellow (73%)

Blue (67%)

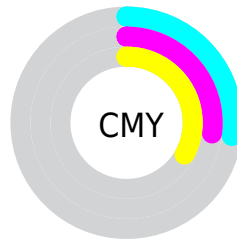


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0077, 0.3260, 0.3510 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 49.0077, 0.3260, 0.3510 by changing the saturation by 10% instead.




 49.0077, 0.3260,  
0.3510

 49.0077, 0.3260,  
0.3510

382.7726, 0.3194,  
0.3400

 34.6256, 0.3276,  
0.3537


 88.7029, 0.3236,  
0.3470

 23.3746, 0.3297,  
0.3573


114.7848, 0.3227,  
0.3455

 14.8704, 0.3324,  
0.3619


145.5353, 0.3220,  
0.3442

 8.7284, 0.3361,  
0.3685

181.3390, 0.3213,  
0.3432

 4.5645, 0.3415,  
0.3782

222.5802, 0.3208,  
0.3422

 1.9941, 0.3501,  
0.3942

269.6432, 0.3203,

 0.6040, 0.4310,

0.3414

0.5203

322.9126, 0.3198,  
0.3407

0.0000, 0.0000,  
0.0000

49.0077, 0.3260,  
0.3510

49.0077, 0.3260,  
0.3510

48.3477, 0.3410,  
0.3758

49.7727, 0.3114,  
0.3268

47.7820, 0.3559,  
0.4006

50.6402, 0.2975,  
0.3038

47.3083, 0.3704,  
0.4246

51.6161, 0.2845,  
0.2822

46.9216, 0.3837,  
0.4467

52.7040, 0.2724,  
0.2622

46.6166, 0.3954,  
0.4661

53.3463, 0.2663,  
0.2521

■ 46.3873, 0.4050,  
0.4820

■ 53.3501, 0.2663,  
0.2521

■ 46.2271, 0.4120,  
0.4938

■ 53.3540, 0.2663,  
0.2521

■ 46.1280, 0.4165,  
0.5013

■ 53.3579, 0.2663,  
0.2521

■ 46.0759, 0.4189,  
0.5052

■ 53.3617, 0.2663,  
0.2521

# Harmonies

## Analogous

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



49.0077, 0.3347, 0.3477



49.0077, 0.3260, 0.3510



49.0077, 0.3139, 0.3482

# Triad

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



49.0077, 0.3260, 0.3510



49.0077, 0.2886, 0.3178



49.0077, 0.3237, 0.3184

# Complementary

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



49.0077, 0.3260, 0.3510



40.8950, 0.2988, 0.3060

# 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.



49.0077, 0.3112, 0.3108



49.0077, 0.3260, 0.3510



49.0077, 0.2911, 0.3102

# Square

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



49.0077, 0.3260, 0.3510



49.0077, 0.2924, 0.3287



49.0077, 0.2993, 0.3078



49.0077, 0.3334, 0.3288



# Rectangle

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



49.0077, 0.3260, 0.3510



49.0077, 0.3055, 0.3432



49.0077, 0.2993, 0.3078



49.0077, 0.3197, 0.3154

# Sweetspot

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



49.0098, 0.3260, 0.3510



88.5697, 0.3171, 0.3363



42.2246, 0.3283, 0.3290



19.4800, 0.3183, 0.3383



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



49.0098, 0.3260, 0.3510



87.5043, 0.3291, 0.3562



47.9732, 0.3188, 0.3515



11.1197, 0.3264, 0.3517



31.7408, 0.4190, 0.5055



1.2436, 0.4191, 0.5054



# Inverse Universe

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



40.8950, 0.2988, 0.3060



69.8792, 0.2954, 0.3003



41.8698, 0.3062, 0.3065



9.2261, 0.2984, 0.3053



2.4737, 0.1501, 0.0600



0.0972, 0.1503, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 49.0077, 0.3260, 0.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

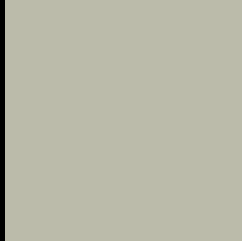
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0077, 0.3260, 0.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

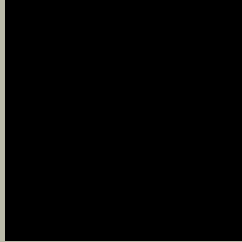
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

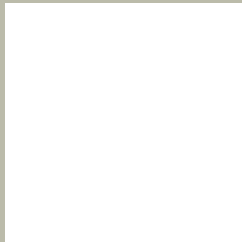
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0077, 0.3260, 0.3510**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0077, 0.3260, 0.3510.



This preview shows how white text looks on a background with the Yxy color 49.0077, 0.3260, 0.3510.

# 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

49.0077, 0.3260, 0.3510

### Protanopia

48.9000, 0.3323, 0.3495

### Deuteranopia

48.7741, 0.3452, 0.3377



## Tritanopia

48.9746, 0.3085, 0.3116

# Trichromacy



## Original Color

49.0077, 0.3260, 0.3510

## Protanomaly

49.0587, 0.3304, 0.3508

## Deuteranomaly

48.8137, 0.3383, 0.3428

## Tritanomaly

48.8160, 0.3154, 0.3252

# Monochromacy



## Original Color

49.0077, 0.3260, 0.3510

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.8522, 0.3174, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0077, 0.3260, 0.3510 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(187, 187, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 170)  
}
```

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(187, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0077, 0.3260, 0.3510 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(187, 187, 170) }
```

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

```
.border{ border-color:rgb(187, 187, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0077, 0.3260, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 170) }
```

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

```
.background{ background-color: rgb(187,  
187, 170) }
```

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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