

# Converting Colors

$Y_{xy}(44.2298, 0.3127, 0.3290)$

Have a look what the booklet for  
Yxy(44.2298, 0.3127, 0.3290)  
contains.

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# Color

**Yxy(43.9657, 0.3127, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1B1B1
RGB	177, 177, 177
RGB Percent	69%, 69%, 69%
CMY	0.3059, 0.3059, 0.3059
CMYK	0.00, 0.00, 0.00, 0.31
HSL	174°, 0%, 69%
HSV	174°, 0%, 69%
XYZ	41.7875, 43.9657, 47.8812
YIQ	177.0000, -0.0000, 0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 177, 177
Decimal	11645361
CIELab	72.21, -0.00, -0.01
CIELCh	72, 0.011, 259.964
Yxy	43.9657, 0.3127, 0.3290
Android (android.graphics.Color)	4289835441 (0xFFB1B1B1)
YUV	177.0000, 0.0000, 0.0000
Hunter-Lab	66.3066, -3.5432, 3.6003

# Details

The Yxy color  $43.9657, 0.3127, 0.3290$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $43.9613, 0.3127, 0.3290$ , and the grayscale version is  $43.9666, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.4847, 0.3127, 0.3290$ , and  $20.1556, 0.3127, 0.3290$  is the 20% darker color. If you saturate the color by 10%, you get  $41.9545, 0.2989, 0.3314$ , and if you desaturate by 10%, it is  $46.2512, 0.3269, 0.3269$ .

# Distribution



Red (69%)

Green (69%)

Blue (69%)



Red (69%)

Yellow (69%)

Blue (69%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (31%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9657, 0.3127, 0.3290 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 43.9657, 0.3127, 0.3290 by changing the saturation by 10% instead.





 43.9657, 0.3127,  
0.3290

 43.9657, 0.3127,  
0.3290

362.5683, 0.3127,  
0.3290

 30.6435, 0.3127,  
0.3290


 81.1661, 0.3127,  
0.3290

 20.3276, 0.3127,  
0.3290

105.8132, 0.3127,  
0.3290

 12.6334, 0.3127,  
0.3290


135.0040, 0.3127,  
0.3290

 7.1766, 0.3127,  
0.3290

169.1230, 0.3127,  
0.3290

 3.5728, 0.3127,  
0.3290

208.5545, 0.3127,  
0.3290

 1.4376, 0.3126,  
0.3290

253.6830, 0.3127,

 0.2442, 0.3124,

0.3290

0.3287

304.8928, 0.3127,  
0.3290

0.0000, 0.0000,  
0.0000

43.9657, 0.3127,  
0.3290

43.9657, 0.3127,  
0.3290

41.9545, 0.2989,  
0.3314

46.2512, 0.3269,  
0.3269

40.2015, 0.2858,  
0.3339

48.8150, 0.3413,  
0.3250

38.6978, 0.2737,  
0.3367

51.6682, 0.3557,  
0.3233

37.4315, 0.2628,  
0.3397

54.8197, 0.3698,  
0.3218

36.3901, 0.2534,  
0.3427

56.2336, 0.3746,  
0.3202

■ 35.5595, 0.2457,  
0.3459

■ 56.3065, 0.3730,  
0.3184

■ 34.9246, 0.2399,  
0.3492

■ 56.3803, 0.3715,  
0.3167

■ 34.4676, 0.2359,  
0.3525

■ 56.4549, 0.3700,  
0.3149

■ 34.1681, 0.2338,  
0.3558

■ 56.5305, 0.3684,  
0.3131

# Harmonies

# Triad

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



43.9657, 0.3127, 0.3290



43.9657, 0.3128, 0.3290



43.9657, 0.3127, 0.3290

# Complementary

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



43.9657, 0.3127, 0.3290



43.9613, 0.3127, 0.3290

# 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.



43.9657, 0.3127, 0.3290



43.9657, 0.3127, 0.3290



43.9657, 0.3128, 0.3290

# Square

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



43.9657, 0.3127, 0.3290



43.9657, 0.3127, 0.3290



43.9657, 0.3128, 0.3290



43.9657, 0.3127, 0.3290



# Rectangle

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



43.9657, 0.3127, 0.3290



43.9657, 0.3127, 0.3290



43.9657, 0.3128, 0.3290



43.9657, 0.3127, 0.3290

# Sweetspot

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



43.9676, 0.3127, 0.3290



78.7412, 0.3127, 0.3290



43.9671, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



89.0005, 0.3127, 0.3290

# Same Dimension

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



43.9676, 0.3127, 0.3290



78.7412, 0.3127, 0.3290



43.9644, 0.3127, 0.3290



10.0482, 0.3127, 0.3290



24.6240, 0.2330, 0.3586



0.7788, 0.2304, 0.3495

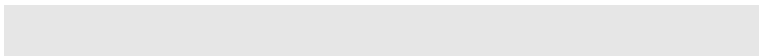


# Inverse Universe

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



43.9613, 0.3127, 0.3290



78.7412, 0.3127, 0.3290



43.9644, 0.3127, 0.3290



10.0482, 0.3127, 0.3290



6.8062, 0.6270, 0.3227



0.2185, 0.5802, 0.2970



# Previews

## White Background



This preview shows how the Yxy color 43.9657, 0.3127, 0.3290 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 43.9657, 0.3127, 0.3290 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 43.9657, 0.3127, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9657, 0.3127, 0.3290.

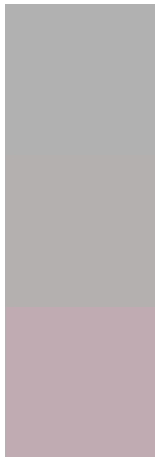


This preview shows how white text looks on a background with the Yxy color 43.9657, 0.3127, 0.3290.

# 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

43.9657, 0.3127, 0.3290

### Protanopia

43.8886, 0.3162, 0.3290

### Deuteranopia

43.6776, 0.3267, 0.3201



## Tritanopia

43.9178, 0.3049, 0.3107

# Trichromacy



## Original Color

43.9657, 0.3127, 0.3290

## Protanomaly

43.7690, 0.3154, 0.3290

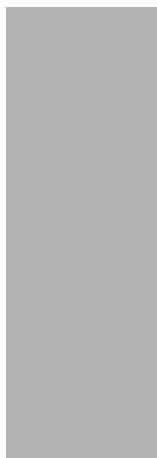
## Deuteranomaly

43.6663, 0.3211, 0.3225

## Tritanomaly

44.0184, 0.3072, 0.3171

# Monochromacy



## Original Color

43.9657, 0.3127, 0.3290

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.9657, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9657, 0.3127, 0.3290 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(177, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 177)  
}
```

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(177, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9657, 0.3127, 0.3290 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(177, 177, 177) }
```

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

```
.border{ border-color:rgb(177, 177, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
177) }
```

# Background

The CSS property to change the background color of an element to Yxy 43.9657, 0.3127, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 177) }
```

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

```
.background{ background-color: rgb(177,  
177, 177) }
```

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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