

# Converting Colors

Yxy(38.5026, 0.3193, 0.3158)

Have a look what the booklet for  
Yxy(38.5026, 0.3193, 0.3158)  
contains.

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# Color

**Yxy(38.2842, 0.3190, 0.3154)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B2A2AC
RGB	178, 162, 172
RGB Percent	70%, 64%, 67%
CMY	0.3021, 0.3646, 0.3255
CMYK	0.00, 0.09, 0.03, 0.30
HSL	322°, 9%, 67%
HSV	322°, 9%, 70%
XYZ	38.7212, 38.2842, 44.3776
YIQ	167.9240, 6.3260, 6.5020

# Conversions

## Conversions Part 2

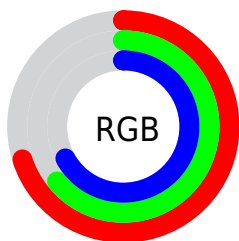
Format	Color
<a href="#">RYB</a>	<a href="#">178, 162, 172</a>
Decimal	<a href="#">11707052</a>
CIELab	<a href="#">68.23, 7.60, -3.06</a>
CIELCh	<a href="#">68, 8.193, 338.055</a>
Yxy	<a href="#">38.2842, 0.3190, 0.3154</a>
Android (android.graphics.Color)	<a href="#">4289897132</a> (0xFFB2A2AC)
YUV	<a href="#">167.9240, 2.0095, 8.8367</a>
Hunter-Lab	<a href="#">61.8742, 3.4262, 0.7878</a>

# Details

The Yxy color  $38.2842, 0.3190, 0.3154$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $42.3379, 0.3069, 0.3430$ , and the grayscale version is  $39.1054, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $72.6642, 0.3183, 0.3185$ , and  $16.8679, 0.3203, 0.3101$  is the 20% darker color. If you saturate the color by 10%, you get  $32.2031, 0.3273, 0.2995$ , and if you desaturate by 10%, it is  $45.2689, 0.3121, 0.3305$ .

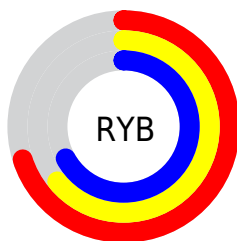
# Distribution



Red (70%)

Green (64%)

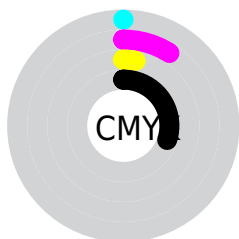
Blue (67%)



Red (70%)

Yellow (64%)

Blue (67%)

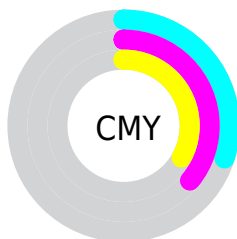


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (30%)



Cyan (30%)

Magenta (36%)


Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2842, 0.3190, 0.3154 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 38.2842, 0.3190, 0.3154 by changing the saturation by 10% instead.




 38.2842, 0.3190,  
0.3154


 38.2842, 0.3190,  
0.3154


 338.8375, 0.3158,  
0.3224

 26.2033, 0.3198,  
0.3136


 72.5435, 0.3178,  
0.3180


 16.9758, 0.3209,  
0.3113


 95.4908, 0.3174,  
0.3189

 10.2173, 0.3224,  
0.3081


 122.8290, 0.3170,  
0.3197

 5.5432, 0.3244,  
0.3036

 154.9425, 0.3167,  
0.3204

 2.5694, 0.3277,  
0.2965

 192.2157, 0.3164,  
0.3210

 0.9113, 0.3334,  
0.2841

 235.0330, 0.3162,


 0.0000, 0.0000,


0.3215


0.0000


283.7788, 0.3160,  
0.3220


 38.2842, 0.3190,  
0.3154

 38.2842, 0.3190,  
0.3154


 32.2031, 0.3273,  
0.2995


 45.2689, 0.3121,  
0.3305


 26.9832, 0.3370,  
0.2833


 53.1872, 0.3062,  
0.3447

 22.5864, 0.3483,  
0.2671


 62.0739, 0.3014,  
0.3579

 18.9696, 0.3612,  
0.2518


 71.9606, 0.2974,  
0.3701

 16.0859, 0.3757,  
0.2382


 82.8774, 0.2940,  
0.3813

 13.8831, 0.3915,  
0.2274


 85.7324, 0.2906,  
0.3776


 12.3023, 0.4081,  
0.2206

 86.0754, 0.2872,  
0.3698

 11.2743, 0.4248,  
0.2186

 86.4324, 0.2838,  
0.3621

 10.6727, 0.4414,  
0.2211

 86.8035, 0.2804,  
0.3544

# Harmonies

## Analogous

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



38.2842, 0.3066, 0.3095



38.2842, 0.3190, 0.3154



38.2842, 0.3299, 0.3248

# Triad

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



38.2842, 0.3190, 0.3154



38.2842, 0.3294, 0.3499



38.2842, 0.2899, 0.3218

# Complementary

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



38.2842, 0.3190, 0.3154



42.3379, 0.3069, 0.3430

# 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.



38.2842, 0.2958, 0.3330



38.2842, 0.3190, 0.3154



38.2842, 0.3185, 0.3495

# Square

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



38.2842, 0.3190, 0.3154



38.2842, 0.3359, 0.3447



38.2842, 0.3062, 0.3432



38.2842, 0.2900, 0.3129



# Rectangle

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



38.2842, 0.3190, 0.3154



38.2842, 0.3347, 0.3319



38.2842, 0.3062, 0.3432



38.2842, 0.2912, 0.3255

# Sweetspot

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



38.2859, 0.3190, 0.3154



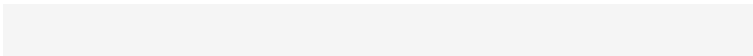
76.7445, 0.3147, 0.3244



37.3692, 0.3044, 0.3068



16.7761, 0.3153, 0.3232



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



38.2859, 0.3190, 0.3154



66.8605, 0.3207, 0.3119



37.9928, 0.3261, 0.3261



8.5917, 0.3193, 0.3148



7.6123, 0.4414, 0.2205



0.2504, 0.3998, 0.1976



# Inverse Universe

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



38.2859, 0.3190, 0.3154



66.8605, 0.3207, 0.3119



42.6396, 0.3008, 0.3319



8.5917, 0.3193, 0.3148



7.6123, 0.4414, 0.2205

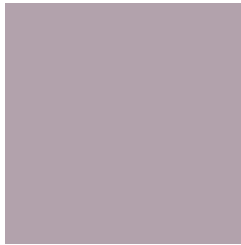


0.2504, 0.3998, 0.1976



# Previews

## White Background



This preview shows how the Yxy color 38.2842, 0.3190, 0.3154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

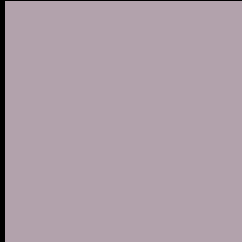
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.2842, 0.3190, 0.3154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

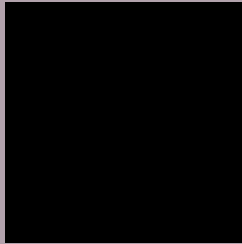
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.2842, 0.3190, 0.3154**

## Background



This preview shows how black text looks on a background with the Yxy color 38.2842, 0.3190, 0.3154.



This preview shows how white text looks on a background with the Yxy color 38.2842, 0.3190, 0.3154.

# 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

38.2842, 0.3190, 0.3154

### Protanopia

38.1817, 0.3069, 0.3164

### Deuteranopia

38.1716, 0.3210, 0.3141



## Tritanopia

38.3616, 0.3173, 0.3127

# Trichromacy



**Original Color**  
38.2842, 0.3190, 0.3154

**Protanomaly**  
38.2260, 0.3114, 0.3165

**Deuteranomaly**  
38.0520, 0.3201, 0.3141

**Tritanomaly**  
38.3228, 0.3181, 0.3140

# Monochromacy



**Original Color**  
38.2842, 0.3190, 0.3154

**Achromatopsia**  
39.1572, 0.3127, 0.3290

**Achromatomaly**  
38.9077, 0.3157, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.2842, 0.3190, 0.3154 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(178, 162, 172) looks like.

```
.text, #text, p{  
    color:rgb(178, 162, 172)  
}
```

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(178, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 162, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 38.2842, 0.3190, 0.3154 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(178, 162, 172) }
```

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

```
.border{ border-color:rgb(178, 162, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 162, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(178, 162,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.2842, 0.3190, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 162, 172) }
```

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

```
.background{ background-color: rgb(178,  
162, 172) }
```

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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