

# Converting Colors

$Y_{xy}(24.2404, 0.3101, 0.3177)$

Have a look what the booklet for  
Yxy(24.2404, 0.3101, 0.3177)  
contains.

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# Color

**Yxy(24.3469, 0.3110, 0.3189)**

# Conversions

Conversions Part 1	
Format	Color
Hex	8A868C
RGB	138, 134, 140
RGB Percent	54%, 53%, 55%
CMY	0.4587, 0.4745, 0.4510
CMYK	0.01, 0.04, 0.00, 0.45
HSL	280°, 3%, 54%
HSV	280°, 4%, 55%
XYZ	23.7438, 24.3469, 28.2558
YIQ	135.8800, 0.4580, 2.7140

# Conversions

## Conversions Part 2

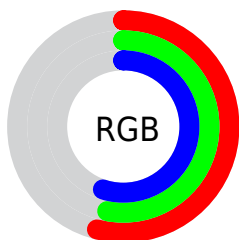
Format	Color
<a href="#">RYB</a>	<a href="#">138, 134, 140</a>
Decimal	<a href="#">9078412</a>
CIELab	<a href="#">56.43, 2.69, -2.68</a>
CIELCh	<a href="#">56, 3.798, 315.038</a>
Yxy	<a href="#">24.3469, 0.3110, 0.3189</a>
Android (android.graphics.Color)	<a href="#">4287268492</a> (0xFF8A868C)
YUV	<a href="#">135.8800, 2.0312, 1.8592</a>
Hunter-Lab	<a href="#">49.3426, -0.4549, 0.5876</a>

# Details

The Yxy color  $24.3469, 0.3110, 0.3189$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $25.7052, 0.3144, 0.3392$ , and the grayscale version is  $24.5674, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $50.5121, 0.3107, 0.3203$ , and  $9.1535, 0.3101, 0.3139$  is the 20% darker color. If you saturate the color by 10%, you get  $20.3496, 0.3065, 0.2942$ , and if you desaturate by 10%, it is  $28.8750, 0.3148, 0.3420$ .

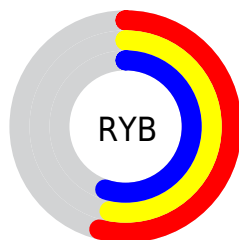
# Distribution



Red (54%)

Green (53%)

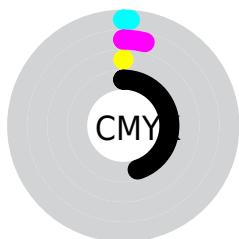
Blue (55%)



Red (54%)

Yellow (53%)

Blue (55%)

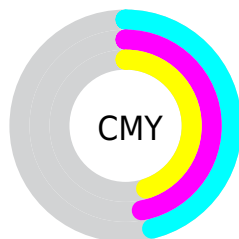


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (45%)



Cyan (46%)

Magenta (47%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3469, 0.3110, 0.3189 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 24.3469, 0.3110, 0.3189 by changing the saturation by 10% instead.





 24.3469, 0.3110,  
0.3189


 24.3469, 0.3110,  
0.3189


274.5696, 0.3120,  
0.3245


 15.5912, 0.3107,  
0.3173


 50.5957, 0.3114,  
0.3211

 9.2353, 0.3103,  
0.3151


 68.8575, 0.3115,  
0.3218

 4.8950, 0.3097,  
0.3119


 91.0569, 0.3116,  
0.3225

 2.1858, 0.3087,  
0.3068

117.5781, 0.3117,  
0.3230

 0.7122, 0.3071,  
0.2946


148.8056, 0.3118,  
0.3235


 0.0000, 0.0000,  
0.0000


185.1237, 0.3119,

0.3238


226.9169, 0.3119,  
0.3242


 24.3469, 0.3110,  
0.3189


 24.3469, 0.3110,  
0.3189


 20.3496, 0.3065,  
0.2942


 28.8750, 0.3148,  
0.3420


 16.8598, 0.3011,  
0.2683


 33.9498, 0.3179,  
0.3633


 13.8569, 0.2949,  
0.2415


 39.5904, 0.3205,  
0.3827

 11.3181, 0.2880,  
0.2148


 45.8142, 0.3226,  
0.4004


 9.2183, 0.2803,  
0.1891


 52.6376, 0.3242,  
0.4163

 7.5302, 0.2720,  
0.1654


 60.0765, 0.3255,  
0.4307


 6.2234, 0.2635,  
0.1449

 68.1462, 0.3265,  
0.4436

 5.2629, 0.2548,  
0.1284

 76.8614, 0.3273,  
0.4552

 4.6048, 0.2465,  
0.1165

 83.0130, 0.3287,  
0.4616

# Harmonies

## Analogous

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



24.3469, 0.3049, 0.3178



24.3469, 0.3110, 0.3189



24.3469, 0.3176, 0.3227

# Triad

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



24.3469, 0.3110, 0.3189



24.3469, 0.3247, 0.3384



24.3469, 0.3025, 0.3298

# Complementary

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



24.3469, 0.3110, 0.3189



25.7052, 0.3144, 0.3392

# 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.



24.3469, 0.3078, 0.3355



24.3469, 0.3110, 0.3189



24.3469, 0.3205, 0.3405

# Square

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



24.3469, 0.3110, 0.3189



24.3469, 0.3256, 0.3339



24.3469, 0.3143, 0.3394



24.3469, 0.3000, 0.3240



# Rectangle

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



24.3469, 0.3110, 0.3189



24.3469, 0.3215, 0.3262



24.3469, 0.3143, 0.3394



24.3469, 0.3040, 0.3318

# Sweetspot

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



24.3479, 0.3110, 0.3189



45.4331, 0.3123, 0.3266



24.5674, 0.3064, 0.3222



10.4809, 0.3123, 0.3268



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290



# Same Dimension

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



24.3479, 0.3110, 0.3189



42.3188, 0.3107, 0.3169



24.4871, 0.3142, 0.3206



5.3874, 0.3105, 0.3160



3.8234, 0.2421, 0.1107



0.0334, 0.2800, 0.1316



# Inverse Universe

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



24.3994, 0.3174, 0.3257



42.4271, 0.3184, 0.3251



25.5710, 0.3112, 0.3375



5.4023, 0.3188, 0.3248



5.1303, 0.5599, 0.2858



0.0366, 0.4546, 0.2278



# Previews

## White Background



This preview shows how the Yxy color 24.3469, 0.3110, 0.3189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3469, 0.3110, 0.3189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

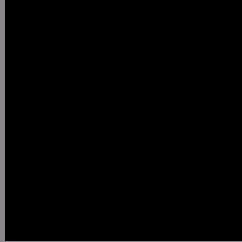
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

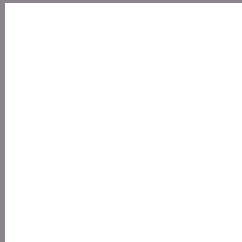
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 24.3469, 0.3110, 0.3189**

## Background



This preview shows how black text looks on a background with the Yxy color 24.3469, 0.3110, 0.3189.



This preview shows how white text looks on a background with the Yxy color 24.3469, 0.3110, 0.3189.

# 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

24.3469, 0.3110, 0.3189

### Protanopia

24.4556, 0.3087, 0.3205

### Deuteranopia

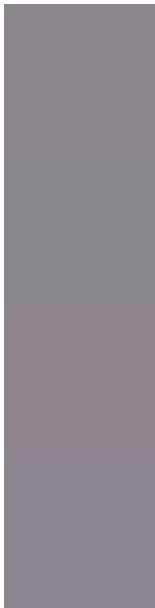
24.2667, 0.3192, 0.3126



## Tritanopia

24.2776, 0.3080, 0.3107

# Trichromacy



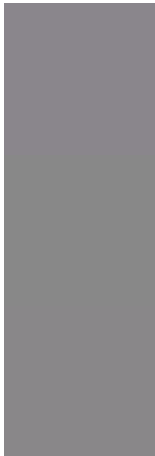
**Original Color**  
24.3469, 0.3110, 0.3189

**Protanomaly**  
24.5398, 0.3098, 0.3206

**Deuteranomaly**  
24.2653, 0.3157, 0.3141

**Tritanomaly**  
24.2472, 0.3090, 0.3123

# Monochromacy



**Original Color**  
24.3469, 0.3110, 0.3189

**Achromatopsia**  
24.6201, 0.3127, 0.3290

**Achromatomaly**  
24.4525, 0.3129, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.3469, 0.3110, 0.3189 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(138, 134, 140) looks like.

```
.text, #text, p{  
    color:rgb(138, 134, 140)  
}
```

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(138, 134, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 134, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 24.3469, 0.3110, 0.3189 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(138, 134, 140) }
```

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

```
.border{ border-color:rgb(138, 134, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 134, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 134, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 134, 140);  
box-shadow:4px 4px 4px 4px rgb(138, 134,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.3469, 0.3110, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 134, 140) }
```

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

```
.background{ background-color: rgb(138,  
134, 140) }
```

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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