

# Converting Colors

$Yxy(38.1095, 0.3162, 0.3887)$

Have a look what the booklet for  
Yxy(38.1095, 0.3162, 0.3887)  
contains.

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# Color

**Yxy(38.2772, 0.3160, 0.3889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FAF88
RGB	143, 175, 136
RGB Percent	56%, 69%, 53%
CMY	0.4392, 0.3137, 0.4666
CMYK	0.18, 0.00, 0.22, 0.31
HSL	109°, 20%, 61%
HSV	109°, 22%, 69%
XYZ	31.1021, 38.2772, 29.0450
YIQ	160.9860, -6.5530, -18.9130

# Conversions

## Conversions Part 2

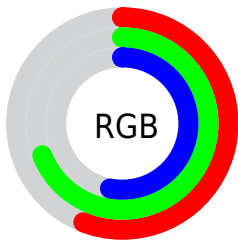
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 175, 168
Decimal	9416584
CIELab	68.22, -18.49, 16.47
CIELCh	68, 24.757, 138.302
Yxy	38.2772, 0.3160, 0.3889
Android (android.graphics.Color)	4287606664 (0xFF8FAF88)
YUV	160.9860, -12.3181, -15.7737
Hunter-Lab	61.8686, -18.5359, 15.4735

# Details

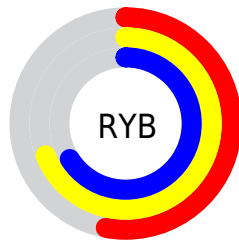
The Yxy color **38.2772, 0.3160, 0.3889** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **29.0330, 0.3080, 0.2735**, and the grayscale version is **35.6954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6963, 0.3159, 0.3777**, and **16.8663, 0.3161, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **36.6202, 0.3170, 0.4201**, and if you desaturate by 10%, it is **40.1829, 0.3147, 0.3602**.

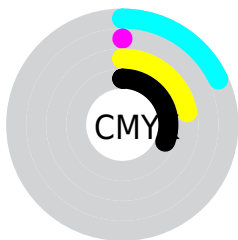
# Distribution



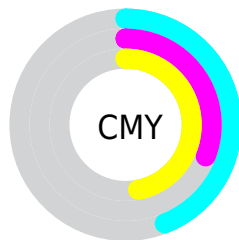
- Red (56%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (66%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (31%)



- Cyan (44%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2772, 0.3160, 0.3889 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 38.2772, 0.3160, 0.3889 by changing the saturation by 10% instead.





 38.2772, 0.3160,  
0.3889


 38.2772, 0.3160,  
0.3889


338.8076, 0.3148,  
0.3570


 26.1979, 0.3161,  
0.3976

 72.5328, 0.3157,  
0.3768

 16.9718, 0.3161,  
0.4091


 95.4779, 0.3156,  
0.3724

 10.2144, 0.3157,  
0.4253


 122.8138, 0.3154,  
0.3687

 5.5413, 0.3146,  
0.4495

154.9247, 0.3153,  
0.3657

 2.5682, 0.3112,  
0.4892

192.1952, 0.3152,  
0.3630

 0.9107, 0.3126,  
0.6874

235.0095, 0.3150,

 0.0000, 0.0000,

0.3607

0.0000

283.7522, 0.3149,  
0.3587

■ 38.2772, 0.3160,  
0.3889

■ 38.2772, 0.3160,  
0.3889

■ 36.6202, 0.3170,  
0.4201

■ 40.1829, 0.3147,  
0.3602

■ 35.1968, 0.3175,  
0.4532

■ 42.3418, 0.3131,  
0.3345

■ 33.9979, 0.3173,  
0.4868

■ 44.7647, 0.3114,  
0.3116

■ 33.0117, 0.3163,  
0.5191

■ 47.4601, 0.3097,  
0.2916

■ 32.2255, 0.3143,  
0.5480

■ 50.4362, 0.3080,  
0.2740

■ 31.6248, 0.3116,  
0.5711

■ 53.7007, 0.3064,  
0.2588

■ 31.1936, 0.3083,  
0.5871

■ 57.0330, 0.3074,  
0.2486

■ 30.9584, 0.3059,  
0.5953

■ 59.1413, 0.3164,  
0.2508

# Harmonies

## Analogous

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



38.2772, 0.3518, 0.3950



38.2772, 0.3160, 0.3889



38.2772, 0.2807, 0.3633

# Triad

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



38.2772, 0.3160, 0.3889



38.2772, 0.2503, 0.2746



38.2772, 0.3737, 0.3257

# Complementary

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



38.2772, 0.3160, 0.3889



29.0330, 0.3080, 0.2735

# 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.



38.2772, 0.3435, 0.2977



38.2772, 0.3160, 0.3889



38.2772, 0.2722, 0.2688

# Square

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



38.2772, 0.3160, 0.3889



38.2772, 0.2442, 0.2953



38.2772, 0.3059, 0.2773



38.2772, 0.3865, 0.3559



# Rectangle

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



38.2772, 0.3160, 0.3889



38.2772, 0.2620, 0.3399



38.2772, 0.3059, 0.2773



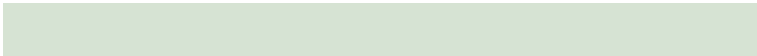
38.2772, 0.3651, 0.3158

# Sweetspot

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



38.2788, 0.3160, 0.3889



73.8999, 0.3139, 0.3466



38.8439, 0.3477, 0.3741



16.3754, 0.3140, 0.3481



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



38.2788, 0.3160, 0.3889



66.9589, 0.3166, 0.4048



38.0459, 0.3002, 0.3701



9.0058, 0.3142, 0.3522



22.1892, 0.3064, 0.5949



0.6374, 0.3249, 0.5802



# Inverse Universe

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



29.0330, 0.3080, 0.2735



47.2910, 0.3065, 0.2600



29.3578, 0.3279, 0.2911



8.0744, 0.3110, 0.3065



6.4631, 0.2766, 0.1298



0.1985, 0.2909, 0.1376



# Previews

## White Background



This preview shows how the Yxy color 38.2772, 0.3160, 0.3889 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 38.2772, 0.3160, 0.3889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

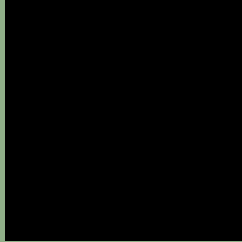
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.2772, 0.3160, 0.3889**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.2772, 0.3160, 0.3889.



This preview shows how white text looks on a background with the Yxy color 38.2772, 0.3160, 0.3889.

# 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

38.2772, 0.3160, 0.3889

### Protanopia

38.1685, 0.3529, 0.3772

### Deuteranopia

38.0821, 0.3634, 0.3575



## Tritanopia

38.3326, 0.2866, 0.3103

# Trichromacy



## Original Color

38.2772, 0.3160, 0.3889

## Protanomaly

37.9619, 0.3392, 0.3818

## Deuteranomaly

37.7439, 0.3456, 0.3675

## Tritanomaly

38.1383, 0.2973, 0.3378

# Monochromacy



## Original Color

38.2772, 0.3160, 0.3889

## Achromatopsia

35.6400, 0.3127, 0.3290

## Achromatomaly

36.4095, 0.3136, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.2772, 0.3160, 0.3889 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(143, 175, 136)` looks like.

```
.text, #text, p{  
    color:rgb(143, 175, 136)  
}
```

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(143, 175, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 175, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 38.2772, 0.3160, 0.3889 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(143, 175, 136) }
```

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

```
.border{ border-color:rgb(143, 175, 136) }
```

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

Here you see how a box with a 4 pixel rgb(143, 175, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 175, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 175, 136);  
box-shadow:4px 4px 4px 4px rgb(143, 175,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.2772, 0.3160, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 175, 136) }
```

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

```
.background{ background-color: rgb(143,  
175, 136) }
```

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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