

# Converting Colors

$Yxy(38.1136, 0.3253, 0.3331)$

Have a look what the booklet for  
Yxy(38.1136, 0.3253, 0.3331)  
contains.

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# Color

**Yxy(38.1228, 0.3248, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEA4A1
RGB	174, 164, 161
RGB Percent	68%, 64%, 63%
CMY	0.3177, 0.3568, 0.3685
CMYK	0.00, 0.06, 0.07, 0.32
HSL	14°, 7%, 66%
HSV	14°, 7%, 68%
XYZ	37.1617, 38.1228, 39.1296
YIQ	166.6480, 6.9230, 1.1870

# Conversions

## Conversions Part 2

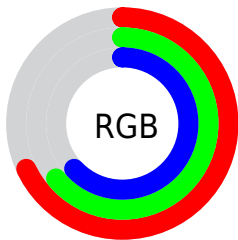
Format	Color
<b>RYB</b>	174, 165, 161
Decimal	11445409
CIELab	68.11, 3.07, 2.83
CIELCh	68, 4.170, 42.664
Yxy	38.1228, 0.3248, 0.3332
Android (android.graphics.Color)	4289635489 (0xFFAEA4A1)
YUV	166.6480, -2.7845, 6.4477
Hunter-Lab	61.7437, -0.6174, 5.6459

# Details

The Yxy color **38.1228, 0.3248, 0.3332** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.7579, 0.3014, 0.3248**, and the grayscale version is **38.4748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2789, 0.3220, 0.3323**, and **16.8517, 0.3287, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **33.0094, 0.3438, 0.3392**, and if you desaturate by 10%, it is **43.8296, 0.3089, 0.3276**.

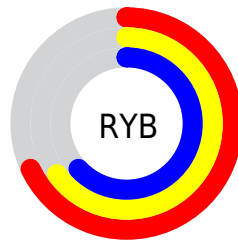
# Distribution



Red (68%)

Green (64%)

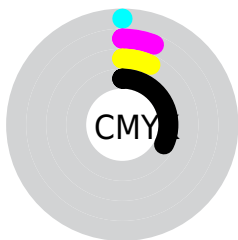
Blue (63%)



Red (68%)

Yellow (65%)

Blue (63%)

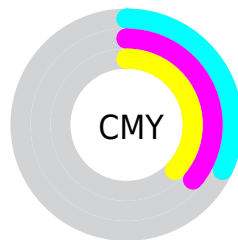


Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (32%)



Cyan (32%)

Magenta (36%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1228, 0.3248, 0.3332 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 38.1228, 0.3248, 0.3332 by changing the saturation by 10% instead.





 38.1228, 0.3248,  
0.3332


 38.1228, 0.3248,  
0.3332


338.1465, 0.3185,  
0.3311

 26.0780, 0.3264,  
0.3337


 72.2963, 0.3225,  
0.3324

 16.8820, 0.3286,  
0.3345


 95.1938, 0.3216,  
0.3321

 10.1504, 0.3315,  
0.3354


122.4777, 0.3209,  
0.3319

 5.4988, 0.3359,  
0.3368

154.5324, 0.3203,  
0.3317

 2.5428, 0.3427,  
0.3389

191.7422, 0.3198,  
0.3315

 0.8980, 0.3569,  
0.3441

234.4915, 0.3193,

 0.0000, 0.0000,

0.3313


0.0000


283.1648, 0.3189,  
0.3312


 38.1228, 0.3248,  
0.3332


 38.1228, 0.3248,  
0.3332


 33.0094, 0.3438,  
0.3392


 43.8296, 0.3089,  
0.3276


 28.4652, 0.3666,  
0.3455


 50.1429, 0.2957,  
0.3225


 24.4720, 0.3937,  
0.3518

 57.0817, 0.2846,  
0.3178

 21.0084, 0.4254,  
0.3577

 64.6628, 0.2753,  
0.3135

 18.0517, 0.4614,  
0.3626

 72.9021, 0.2674,  
0.3097

■ 15.5777, 0.5005,  
0.3656

■ 81.1263, 0.2657,  
0.3172

■ 13.5598, 0.5400,  
0.3656

■ 87.7359, 0.2671,  
0.3289

■ 11.9690, 0.5760,  
0.3618

■ 10.7703, 0.6045,  
0.3547

# Harmonies

## Analogous

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



38.1228, 0.3221, 0.3277



38.1228, 0.3248, 0.3332



38.1228, 0.3242, 0.3376

# Triad

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



38.1228, 0.3248, 0.3332



38.1228, 0.3085, 0.3355



38.1228, 0.3049, 0.3184

# Complementary

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



38.1228, 0.3248, 0.3332



39.7579, 0.3014, 0.3248

# 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.



38.1228, 0.3014, 0.3203



38.1228, 0.3248, 0.3332



38.1228, 0.3034, 0.3302

# Square

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



38.1228, 0.3248, 0.3332



38.1228, 0.3148, 0.3390



38.1228, 0.3008, 0.3246



38.1228, 0.3106, 0.3193



# Rectangle

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



38.1228, 0.3248, 0.3332



38.1228, 0.3220, 0.3394



38.1228, 0.3008, 0.3246



38.1228, 0.3034, 0.3187

# Sweetspot

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



38.1245, 0.3248, 0.3332



74.6385, 0.3159, 0.3301



37.4417, 0.3160, 0.3150



16.6145, 0.3157, 0.3301



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.



38.1245, 0.3248, 0.3332



67.5075, 0.3278, 0.3342



40.4348, 0.3240, 0.3419



8.3037, 0.3281, 0.3343



7.7090, 0.6093, 0.3544



0.2963, 0.5523, 0.3996



# Inverse Universe

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



39.7579, 0.3014, 0.3248



71.1128, 0.2988, 0.3237



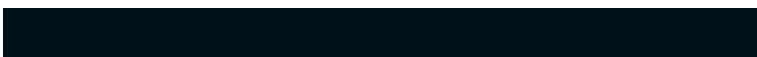
37.4354, 0.3015, 0.3158



8.7545, 0.2986, 0.3237



14.6588, 0.2039, 0.2542



0.4834, 0.2109, 0.2794



# Previews

## White Background



This preview shows how the Yxy color 38.1228, 0.3248, 0.3332 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 38.1228, 0.3248, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

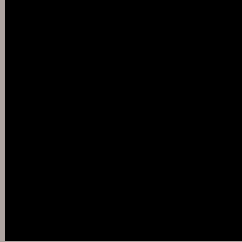
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

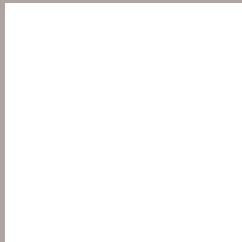
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 38.1228, 0.3248, 0.3332**

## Background



This preview shows how black text looks on a background with the Yxy color 38.1228, 0.3248, 0.3332.



This preview shows how white text looks on a background with the Yxy color 38.1228, 0.3248, 0.3332.

# 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

38.1228, 0.3248, 0.3332

### Protanopia

38.0649, 0.3200, 0.3333

### Deuteranopia

38.2887, 0.3341, 0.3277



## Tritanopia

38.1659, 0.3145, 0.3113

# Trichromacy



## Original Color

38.1228, 0.3248, 0.3332

## Protanomaly

38.1768, 0.3210, 0.3332

## Deuteranomaly

38.1526, 0.3300, 0.3291

## Tritanomaly

38.2106, 0.3179, 0.3194

# Monochromacy



## Original Color

38.1228, 0.3248, 0.3332

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

38.5351, 0.3173, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.1228, 0.3248, 0.3332 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(174, 164, 161)` looks like.

```
.text, #text, p{  
    color:rgb(174, 164, 161)  
}
```

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(174, 164, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 164, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 38.1228, 0.3248, 0.3332 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(174, 164, 161) }
```

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

```
.border{ border-color:rgb(174, 164, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 164, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 164, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 164, 161);  
box-shadow:4px 4px 4px 4px rgb(174, 164,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.1228, 0.3248, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 164, 161) }
```

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

```
.background{ background-color: rgb(174,  
164, 161) }
```

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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