

Converting Colors

$Yxy(38.8421, 0.3223, 0.3242)$

Have a look what the booklet for
Yxy(38.8421, 0.3223, 0.3242)
contains.

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Color

Yxy(38.8430, 0.3224, 0.3236)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B2A4A8 |
| RGB | 178, 164, 168 |
| RGB Percent | 70%, 64%, 66% |
| CMY | 0.3020, 0.3568, 0.3413 |
| CMYK | 0.00, 0.08, 0.06, 0.30 |
| HSL | 343°, 8%, 67% |
| HSV | 343°, 8%, 70% |
| XYZ | 38.6990, 38.8430, 42.4920 |
| YIQ | 168.6420, 7.0600, 4.2120 |

Conversions

Conversions Part 2

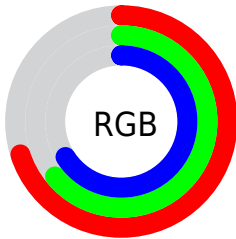
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 178, 164, 168 |
| Decimal | 11707560 |
| CIELab | 68.64, 5.77, -0.23 |
| CIElCh | 69, 5.775, 357.737 |
| Yxy | 38.8430, 0.3224, 0.3236 |
| Android (android.graphics.Color) | 4289897640 (0xFFB2A4A8) |
| YUV | 168.6420, -0.3165, 8.2070 |
| Hunter-Lab | 62.3242, 1.7688, 3.2035 |

Details

The Yxy color **38.8430, 0.3224, 0.3236** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.7854, 0.3039, 0.3345**, and the grayscale version is **39.4885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4832, 0.3208, 0.3248**, and **17.2093, 0.3251, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **32.4611, 0.3372, 0.3163**, and if you desaturate by 10%, it is **46.1664, 0.3103, 0.3304**.

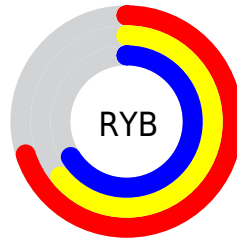
Distribution



Red (70%)

Green (64%)

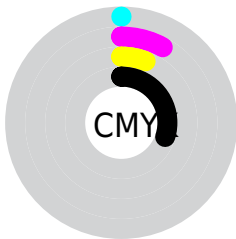
Blue (66%)



Red (70%)

Yellow (64%)

Blue (66%)

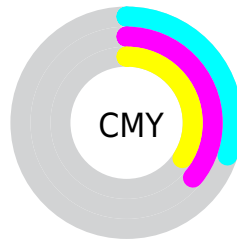


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (30%)



Cyan (30%)


Magenta (36%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8430, 0.3224, 0.3236 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 38.8430, 0.3224, 0.3236 by changing the saturation by 10% instead.


 38.8430, 0.3224,
0.3236


 38.8430, 0.3224,
0.3236

341.2225, 0.3174,
0.3264

 26.6376, 0.3237,
0.3229


 73.3984, 0.3206,
0.3246

 17.3012, 0.3254,
0.3219


 96.5172, 0.3199,
0.3250

 10.4495, 0.3277,
0.3206


124.0426, 0.3193,
0.3253

 5.6980, 0.3311,
0.3188

156.3591, 0.3188,
0.3256

 2.6623, 0.3363,
0.3158

193.8509, 0.3184,
0.3258

 0.9581, 0.3459,
0.3105

236.9024, 0.3180,

 0.0000, 0.0000,


0.3261

0.0000

285.8982, 0.3177,
0.3262


 38.8430, 0.3224,
0.3236


 38.8430, 0.3224,
0.3236


 32.4611, 0.3372,
0.3163


 46.1664, 0.3103,
0.3304


 26.9775, 0.3553,
0.3087


 54.4622, 0.3005,
0.3367


 22.3532, 0.3774,
0.3011

 63.7661, 0.2924,
0.3425

 18.5441, 0.4037,
0.2940

 74.1106, 0.2858,
0.3478

 15.5024, 0.4346,
0.2881

 85.5265, 0.2803,
0.3526

■ 13.1752, 0.4693,
0.2844

■ 87.5429, 0.2742,
0.3404

■ 11.5030, 0.5063,
0.2841

■ 88.2032, 0.2691,
0.3289

■ 10.4161, 0.5425,
0.2880

■ 9.8056, 0.5747,
0.2959

Harmonies

Analogous

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



38.8430, 0.3142, 0.3176



38.8430, 0.3224, 0.3236



38.8430, 0.3281, 0.3310

Triad

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



38.8430, 0.3224, 0.3236



38.8430, 0.3197, 0.3439



38.8430, 0.2962, 0.3196

Complementary

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



38.8430, 0.3224, 0.3236



42.7854, 0.3039, 0.3345

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.



38.8430, 0.2976, 0.3267



38.8430, 0.3224, 0.3236



38.8430, 0.3111, 0.3408

Square

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



38.8430, 0.3224, 0.3236



38.8430, 0.3265, 0.3428



38.8430, 0.3031, 0.3345



38.8430, 0.2991, 0.3153

Rectangle

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



38.8430, 0.3224, 0.3236



38.8430, 0.3296, 0.3359



38.8430, 0.3031, 0.3345



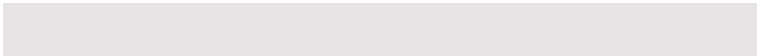
38.8430, 0.2962, 0.3218

Sweetspot

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



38.8447, 0.3224, 0.3236



77.9682, 0.3151, 0.3276



38.7438, 0.3097, 0.3099



17.3058, 0.3150, 0.3277



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.



38.8447, 0.3224, 0.3236



68.8496, 0.3242, 0.3227



39.7106, 0.3256, 0.3329



8.5436, 0.3244, 0.3226



6.9498, 0.5783, 0.2960



0.2289, 0.4978, 0.2516

Inverse Universe

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



38.8447, 0.3224, 0.3236



68.8496, 0.3242, 0.3227



41.8417, 0.3008, 0.3251



8.5436, 0.3244, 0.3226



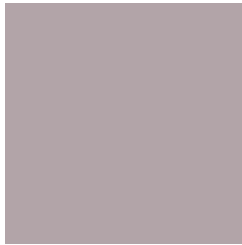
6.9498, 0.5783, 0.2960



0.2289, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 38.8430, 0.3224, 0.3236 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 38.8430, 0.3224, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

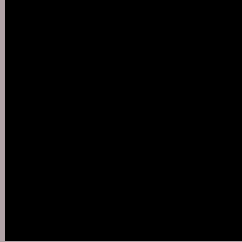
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8430, 0.3224, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 38.8430, 0.3224, 0.3236.



This preview shows how white text looks on a background with the Yxy color 38.8430, 0.3224, 0.3236.

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

38.8430, 0.3224, 0.3236

Protanopia

39.0481, 0.3138, 0.3262

Deuteranopia

38.7351, 0.3274, 0.3209



Tritanopia

38.9127, 0.3163, 0.3115

Trichromacy



Original Color

38.8430, 0.3224, 0.3236

Protanomaly

39.0212, 0.3166, 0.3249

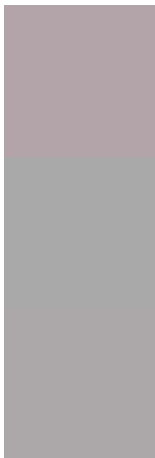
Deuteranomaly

38.8453, 0.3254, 0.3223

Tritanomaly

38.7952, 0.3190, 0.3155

Monochromacy



Original Color

38.8430, 0.3224, 0.3236

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.2727, 0.3156, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8430, 0.3224, 0.3236 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, 164, 168)` looks like.

```
.text, #text, p{  
    color:rgb(178, 164, 168)  
}
```

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, 164, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 164, 168) }
```

Border

The CSS property to change the border of an element to Yxy 38.8430, 0.3224, 0.3236 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, 164, 168) }
```

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

```
.border{ border-color:rgb(178, 164, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 164, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 164, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 164, 168);  
box-shadow:4px 4px 4px 4px rgb(178, 164,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8430, 0.3224, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 164, 168) }
```

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

```
.background{ background-color: rgb(178,  
164, 168) }
```

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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