

Converting Colors

$Y_{xy}(37.8239, 0.3225, 0.3235)$

Have a look what the booklet for
Yxy(37.8239, 0.3225, 0.3235)
contains.

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Color

Yxy(37.8239, 0.3225, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	B0A2A6
RGB	176, 162, 166
RGB Percent	69%, 64%, 65%
CMY	0.3098, 0.3647, 0.3490
CMYK	0.00, 0.08, 0.06, 0.31
HSL	343°, 8%, 66%
HSV	343°, 8%, 69%
XYZ	37.7070, 37.8239, 41.3900
YIQ	166.6420, 7.0600, 4.2120

Conversions

Conversions Part 2

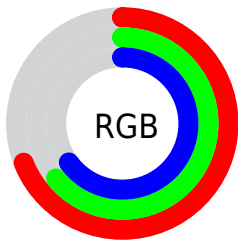
Format	Color
RYB	176, 162, 166
Decimal	11575974
CIELab	67.89, 5.80, -0.24
CIELCh	68, 5.801, 357.619
Yxy	37.8239, 0.3225, 0.3235
Android (android.graphics.Color)	4289766054 (0xFFB0A2A6)
YUV	166.6420, -0.3165, 8.2070
Hunter-Lab	61.5011, 1.8132, 3.1489

Details

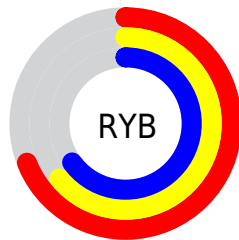
The Yxy color **37.8239, 0.3225, 0.3235** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.7097, 0.3038, 0.3346**, and the grayscale version is **38.4600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0020, 0.3209, 0.3248**, and **16.5777, 0.3253, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **31.6135, 0.3373, 0.3162**, and if you desaturate by 10%, it is **44.9505, 0.3104, 0.3304**.

Distribution



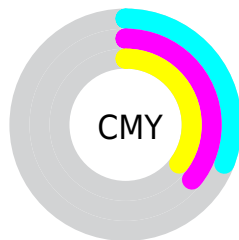
- Red (69%)
- Green (64%)
- Blue (65%)



- Red (69%)
- Yellow (64%)
- Blue (65%)



- Cyan (0%)
- Magenta (8%)
- Yellow (6%)
- Black (31%)





- Cyan (31%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8239, 0.3225, 0.3235 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 37.8239, 0.3225, 0.3235 by changing the saturation by 10% instead.


 37.8239, 0.3225,
0.3235


 37.8239, 0.3225,
0.3235


336.8639, 0.3174,
0.3264

 25.8460, 0.3238,
0.3228


 71.8381, 0.3206,
0.3246

 16.7085, 0.3256,
0.3218


 94.6433, 0.3199,
0.3250

 10.0269, 0.3279,
0.3204


121.8264, 0.3193,
0.3253

 5.4168, 0.3314,
0.3185

153.7717, 0.3189,
0.3256

 2.4938, 0.3369,
0.3154

190.8638, 0.3184,
0.3258

 0.8735, 0.3470,
0.3098


233.4869, 0.3181,


 0.0000, 0.0000,


0.3260


0.0000

282.0255, 0.3177,
0.3262

 37.8239, 0.3225,
0.3235


 37.8239, 0.3225,
0.3235

 31.6135, 0.3373,
0.3162


 44.9505, 0.3104,
0.3304


 26.2773, 0.3554,
0.3086


 53.0234, 0.3006,
0.3367


 21.7771, 0.3774,
0.3009

 62.0773, 0.2925,
0.3425

 18.0703, 0.4037,
0.2937

 72.1437, 0.2859,
0.3478

 15.1103, 0.4344,
0.2878

 83.2529, 0.2805,
0.3527

■ 12.8456, 0.4690,
0.2841

■ 87.1268, 0.2746,
0.3438

■ 11.2181, 0.5058,
0.2838

■ 87.9062, 0.2686,
0.3299

■ 10.1602, 0.5420,
0.2877

■ 87.9697, 0.2681,
0.3289

■ 9.5636, 0.5742,
0.2955

Harmonies

Analogous

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



37.8239, 0.3142, 0.3174



37.8239, 0.3225, 0.3235



37.8239, 0.3283, 0.3310

Triad

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



37.8239, 0.3225, 0.3235



37.8239, 0.3198, 0.3441



37.8239, 0.2960, 0.3195

Complementary

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



37.8239, 0.3225, 0.3235



41.7097, 0.3038, 0.3346

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.



37.8239, 0.2974, 0.3267



37.8239, 0.3225, 0.3235



37.8239, 0.3111, 0.3410

Square

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



37.8239, 0.3225, 0.3235



37.8239, 0.3267, 0.3430



37.8239, 0.3030, 0.3346



37.8239, 0.2989, 0.3151

Rectangle

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



37.8239, 0.3225, 0.3235



37.8239, 0.3298, 0.3360



37.8239, 0.3030, 0.3346



37.8239, 0.2960, 0.3217

Sweetspot

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



37.8256, 0.3225, 0.3235



76.0453, 0.3151, 0.3276



37.7250, 0.3097, 0.3097



16.5117, 0.3149, 0.3277



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.



37.8256, 0.3225, 0.3235



65.9577, 0.3255, 0.3219



38.6780, 0.3258, 0.3329



8.5439, 0.3244, 0.3225



6.9519, 0.5777, 0.2956



0.2290, 0.4971, 0.2512

Inverse Universe

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



37.8256, 0.3225, 0.3235



65.9577, 0.3255, 0.3219



40.7796, 0.3007, 0.3251



8.5439, 0.3244, 0.3225



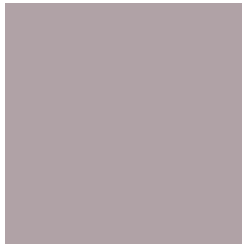
6.9519, 0.5777, 0.2956



0.2290, 0.4971, 0.2512

Previews

White Background



This preview shows how the Yxy color 37.8239, 0.3225, 0.3235 looks on a white background.

Color Contrast Check

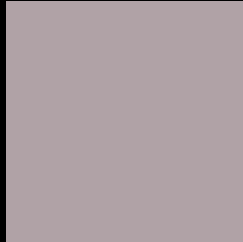
Large Text (above 18pt) WCAG AA × Fail

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 37.8239, 0.3225, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

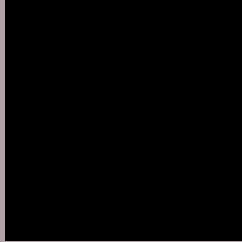
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8239, 0.3225, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 37.8239, 0.3225, 0.3235.



This preview shows how white text looks on a background with the Yxy color 37.8239, 0.3225, 0.3235.

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

37.8239, 0.3225, 0.3235

Protanopia

38.0623, 0.3129, 0.3248

Deuteranopia

37.7185, 0.3276, 0.3209



Tritanopia

37.8540, 0.3173, 0.3126

Trichromacy



Original Color

37.8239, 0.3225, 0.3235

Protanomaly

37.9989, 0.3167, 0.3248

Deuteranomaly

37.8266, 0.3255, 0.3222

Tritanomaly

37.7391, 0.3200, 0.3167

Monochromacy



Original Color

37.8239, 0.3225, 0.3235

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.2463, 0.3156, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8239, 0.3225, 0.3235 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(176, 162, 166)` looks like.

```
.text, #text, p{  
    color:rgb(176, 162, 166)  
}
```

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(176, 162, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 162, 166) }
```

Border

The CSS property to change the border of an element to Yxy 37.8239, 0.3225, 0.3235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

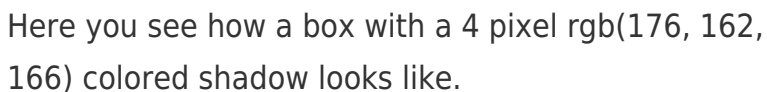
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 162, 166) }
```

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

```
.border{ border-color:rgb(176, 162, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 162, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 162, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 162, 166); box-shadow:4px 4px 4px 4px rgb(176, 162, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8239, 0.3225, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 162, 166) }
```

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

```
.background{ background-color: rgb(176,  
162, 166) }
```

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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