

Converting Colors

$Y_{xy}(40.0010, 0.3209, 0.3320)$

Have a look what the booklet for
Yxy(40.0010, 0.3209, 0.3320)
contains.

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Color

Yxy(39.8724, 0.3209, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	AFA8A6
RGB	175, 168, 166
RGB Percent	69%, 66%, 65%
CMY	0.3138, 0.3411, 0.3491
CMYK	0.00, 0.04, 0.05, 0.31
HSL	13°, 5%, 67%
HSV	13°, 5%, 69%
XYZ	38.5625, 39.8724, 41.7350
YIQ	169.8650, 4.8140, 0.8620

Conversions

Conversions Part 2

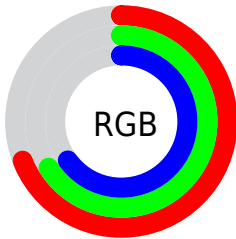
Format	Color
RYB	175, 169, 166
Decimal	11511974
CIELab	69.38, 2.14, 1.92
CIELCh	69, 2.877, 41.940
Yxy	39.8724, 0.3209, 0.3318
Android (android.graphics.Color)	4289702054 (0xFFAFA8A6)
YUV	169.8650, -1.9054, 4.5034
Hunter-Lab	63.1446, -1.4927, 5.0139

Details

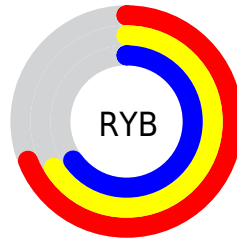
The Yxy color **39.8724, 0.3209, 0.3318** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.0784, 0.3049, 0.3262**, and the grayscale version is **40.1356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9847, 0.3197, 0.3311**, and **17.9166, 0.3242, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **34.5204, 0.3392, 0.3376**, and if you desaturate by 10%, it is **45.8388, 0.3057, 0.3265**.

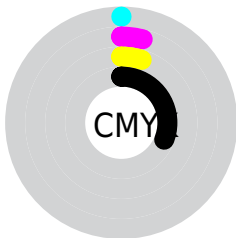
Distribution



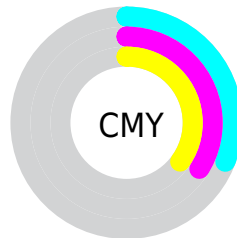
- Red (69%)
- Green (66%)
- Blue (65%)



- Red (69%)
- Yellow (66%)
- Blue (65%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (31%)





- Cyan (31%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8724, 0.3209, 0.3318 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 39.8724, 0.3209, 0.3318 by changing the saturation by 10% instead.


 39.8724, 0.3209,
0.3318


 39.8724, 0.3209,
0.3318


345.5855, 0.3167,
0.3304

 27.4391, 0.3220,
0.3322


 74.9692, 0.3193,
0.3313

 17.9033, 0.3234,
0.3326


 98.4014, 0.3188,
0.3311

 10.8805, 0.3254,
0.3333


126.2687, 0.3183,
0.3309

 5.9866, 0.3282,
0.3342

158.9555, 0.3179,
0.3308

 2.8369, 0.3326,
0.3356

196.8462, 0.3175,
0.3307

 1.0472, 0.3405,
0.3380

240.3252, 0.3172,

 0.0000, 0.0000,

0.3306

0.0000

289.7768, 0.3169,
0.3305

■ 39.8724, 0.3209,
0.3318

■ 39.8724, 0.3209,
0.3318

■ 34.5204, 0.3392,
0.3376

■ 45.8388, 0.3057,
0.3265

■ 29.7580, 0.3612,
0.3436

■ 52.4330, 0.2930,
0.3216

■ 25.5664, 0.3874,
0.3498

■ 59.6744, 0.2823,
0.3171

■ 21.9241, 0.4181,
0.3557

■ 67.5802, 0.2734,
0.3130

■ 18.8077, 0.4534,
0.3608

■ 76.1669, 0.2658,
0.3094

■ 16.1925, 0.4923,
0.3641

■ 84.3774, 0.2669,
0.3229

■ 14.0517, 0.5323,
0.3648

■ 87.8531, 0.2676,
0.3289

■ 12.3556, 0.5696,
0.3619

■ 11.0709, 0.5999,
0.3553

Harmonies

Analogous

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



39.8724, 0.3190, 0.3281



39.8724, 0.3209, 0.3318



39.8724, 0.3206, 0.3348

Triad

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



39.8724, 0.3209, 0.3318



39.8724, 0.3100, 0.3335



39.8724, 0.3073, 0.3218

Complementary

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



39.8724, 0.3209, 0.3318



41.0784, 0.3049, 0.3262

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.



39.8724, 0.3049, 0.3232



39.8724, 0.3209, 0.3318



39.8724, 0.3065, 0.3299

Square

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



39.8724, 0.3209, 0.3318



39.8724, 0.3142, 0.3358



39.8724, 0.3046, 0.3262



39.8724, 0.3112, 0.3223

Rectangle

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



39.8724, 0.3209, 0.3318



39.8724, 0.3191, 0.3360



39.8724, 0.3046, 0.3262



39.8724, 0.3063, 0.3220

Sweetspot

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



39.8741, 0.3209, 0.3318



74.6232, 0.3159, 0.3301



39.4009, 0.3150, 0.3194



16.6113, 0.3157, 0.3300



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.



39.8741, 0.3209, 0.3318



70.4529, 0.3225, 0.3323



41.5394, 0.3204, 0.3379



8.6336, 0.3232, 0.3326



7.6547, 0.6106, 0.3534



0.2932, 0.5541, 0.3982

Inverse Universe

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



41.0784, 0.3049, 0.3262



72.9960, 0.3035, 0.3256



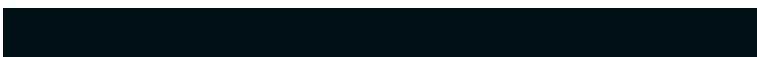
39.4063, 0.3050, 0.3200



8.9669, 0.3028, 0.3254



14.8770, 0.2045, 0.2563



0.4880, 0.2113, 0.2808

Previews

White Background



This preview shows how the Yxy color 39.8724, 0.3209, 0.3318 looks on a white background.

Color Contrast Check

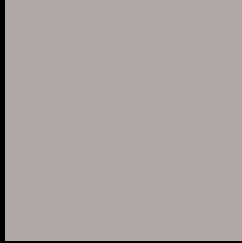
Large Text (above 18pt) WCAG AA × Fail

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 39.8724, 0.3209, 0.3318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

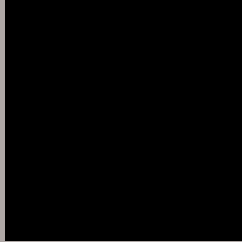
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

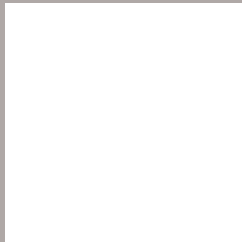
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8724, 0.3209, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 39.8724, 0.3209, 0.3318.



This preview shows how white text looks on a background with the Yxy color 39.8724, 0.3209, 0.3318.

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

39.8724, 0.3209, 0.3318

Protanopia

40.0133, 0.3189, 0.3332

Deuteranopia

39.9057, 0.3319, 0.3251



Tritanopia

39.8742, 0.3117, 0.3115

Trichromacy



Original Color

39.8724, 0.3209, 0.3318

Protanomaly

40.1278, 0.3199, 0.3332

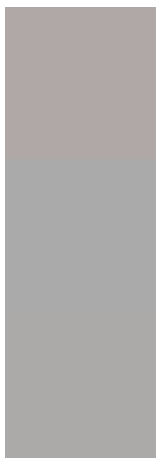
Deuteranomaly

39.7676, 0.3279, 0.3264

Tritanomaly

39.9235, 0.3150, 0.3195

Monochromacy



Original Color

39.8724, 0.3209, 0.3318

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.0112, 0.3155, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8724, 0.3209, 0.3318 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(175, 168, 166)` looks like.

```
.text, #text, p{  
    color:rgb(175, 168, 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(175, 168, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 168, 166) }
```

Border

The CSS property to change the border of an element to Yxy 39.8724, 0.3209, 0.3318 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(175, 168, 166) }
```

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

```
.border{ border-color:rgb(175, 168, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 168, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 168, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 168, 166);  
box-shadow:4px 4px 4px 4px rgb(175, 168,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8724, 0.3209, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 168, 166) }
```

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

```
.background{ background-color: rgb(175,  
168, 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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