

Converting Colors

$Y_{xy}(40.0275, 0.3328, 0.3229)$

Have a look what the booklet for
Yxy(40.0275, 0.3328, 0.3229)
contains.

Yxy(40.1969, 0.3329, 0.3238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.1969, 0.3329, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	BDA4A8
RGB	189, 164, 168
RGB Percent	74%, 64%, 66%
CMY	0.2589, 0.3568, 0.3412
CMYK	0.00, 0.13, 0.11, 0.26
HSL	350°, 16%, 69%
HSV	350°, 13%, 74%
XYZ	41.3266, 40.1969, 42.6177
YIQ	171.9310, 13.6160, 6.5440

Conversions

Conversions Part 2

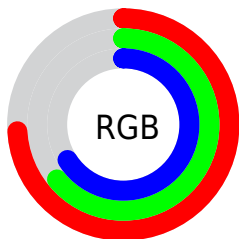
Format	Color
R _Y B	189, 164, 168
Decimal	12428456
CIE Lab	69.61, 9.78, 1.30
CIE LCh	70, 9.872, 7.592
Yxy	40.1969, 0.3329, 0.3238
Android (android.graphics.Color)	4290618536 (0xFFBDA4A8)
YUV	171.9310, -1.9380, 14.9695
Hunter-Lab	63.4010, 5.3996, 4.5265

Details

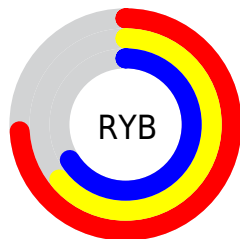
The Yxy color **40.1969, 0.3329, 0.3238** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.7887, 0.2957, 0.3343**, and the grayscale version is **41.2231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4032, 0.3288, 0.3249**, and **18.0002, 0.3386, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **33.3723, 0.3524, 0.3196**, and if you desaturate by 10%, it is **48.1027, 0.3171, 0.3278**.

Distribution



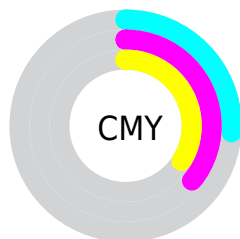
- Red (74%)
- Green (64%)
- Blue (66%)



- Red (74%)
- Yellow (64%)
- Blue (66%)



- Cyan (0%)
- Magenta (13%)
- Yellow (11%)
- Black (26%)




- Cyan (26%)
- Magenta (36%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1969, 0.3329, 0.3238 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 40.1969, 0.3329, 0.3238 by changing the saturation by 10% instead.


 40.1969, 0.3329,
0.3238


 40.1969, 0.3329,
0.3238


346.9528, 0.3225,
0.3265

 27.6921, 0.3356,
0.3231


 75.4633, 0.3291,
0.3248

 18.0937, 0.3391,
0.3221


 98.9936, 0.3276,
0.3252

 11.0173, 0.3439,
0.3209


126.9679, 0.3265,
0.3255

 6.0785, 0.3507,
0.3190

159.7706, 0.3254,
0.3258

 2.8928, 0.3615,
0.3160

197.7860, 0.3246,
0.3260

 1.0760, 0.3807,
0.3104

241.3986, 0.3238,


 0.0000, 1.0000,


0.3262

0.0000


290.9927, 0.3231,
0.3264

 0.0000, 0.0000,
0.0000


 40.1969, 0.3329,
0.3238


 40.1969, 0.3329,
0.3238


 33.3723, 0.3524,
0.3196


 48.1027, 0.3171,
0.3278

 27.5768, 0.3765,
0.3153

 57.1282, 0.3044,
0.3315


 22.7618, 0.4058,
0.3112

 67.3166, 0.2940,
0.3348

 18.8730, 0.4407,
0.3078

 78.7074, 0.2856,
0.3379

 15.8507, 0.4806,
0.3056

 89.0809, 0.2784,
0.3370

■ 13.6279, 0.5233,
0.3055

■ 89.5577, 0.2747,
0.3289

■ 12.1282, 0.5647,
0.3081

■ 11.2599, 0.5994,
0.3136

■ 10.9118, 0.6177,
0.3177

Harmonies

Analogous

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



40.1969, 0.3199, 0.3128



40.1969, 0.3329, 0.3238



40.1969, 0.3405, 0.3363

Triad

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



40.1969, 0.3329, 0.3238



40.1969, 0.3197, 0.3534



40.1969, 0.2858, 0.3101

Complementary

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



40.1969, 0.3329, 0.3238



47.7887, 0.2957, 0.3343

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.



40.1969, 0.2858, 0.3206



40.1969, 0.3329, 0.3238



40.1969, 0.3051, 0.3461

Square

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



40.1969, 0.3329, 0.3238



40.1969, 0.3327, 0.3538



40.1969, 0.2928, 0.3339



40.1969, 0.2928, 0.3048

Rectangle

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



40.1969, 0.3329, 0.3238



40.1969, 0.3413, 0.3441



40.1969, 0.2928, 0.3339



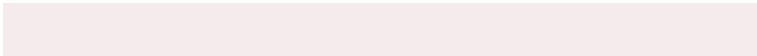
40.1969, 0.2850, 0.3131

Sweetspot

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



40.1987, 0.3329, 0.3238



84.8868, 0.3183, 0.3275



40.5211, 0.3104, 0.2965



18.0126, 0.3194, 0.3272



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.1987, 0.3329, 0.3238



68.0886, 0.3384, 0.3225



43.1319, 0.3351, 0.3400



9.5605, 0.3264, 0.3254



7.3501, 0.6152, 0.3163



0.2958, 0.5565, 0.2839

Inverse Universe

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



40.1987, 0.3329, 0.3238



68.0886, 0.3384, 0.3225



44.4787, 0.2925, 0.3177



9.5605, 0.3264, 0.3254



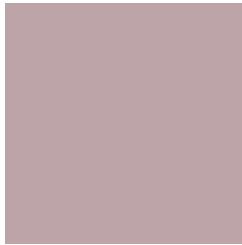
7.3501, 0.6152, 0.3163



0.2958, 0.5565, 0.2839

Previews

White Background



This preview shows how the Yxy color 40.1969, 0.3329, 0.3238 looks on a white background.

Color Contrast Check

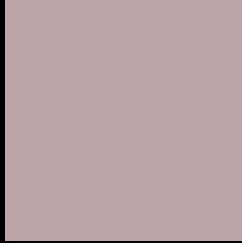
Large Text (above 18pt) WCAG AA × Fail

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 40.1969, 0.3329, 0.3238 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 40.1969, 0.3329, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 40.1969, 0.3329, 0.3238.



This preview shows how white text looks on a background with the Yxy color 40.1969, 0.3329, 0.3238.

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

40.1969, 0.3329, 0.3238

Protanopia

40.2004, 0.3147, 0.3263

Deuteranopia

40.3022, 0.3308, 0.3251



Tritanopia

40.2761, 0.3267, 0.3120

Trichromacy



Original Color

40.1969, 0.3329, 0.3238

Protanomaly

40.1234, 0.3212, 0.3250

Deuteranomaly

40.4288, 0.3318, 0.3251

Tritanomaly

40.1587, 0.3294, 0.3159

Monochromacy



Original Color

40.1969, 0.3329, 0.3238

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7812, 0.3192, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1969, 0.3329, 0.3238 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(189, 164, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 164, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 164, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.1969, 0.3329, 0.3238 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(189, 164, 168) }
```

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

```
.border{ border-color:rgb(189, 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(189, 164, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 164, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 164, 168);  
box-shadow:4px 4px 4px 4px rgb(189, 164,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1969, 0.3329, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 164, 168) }
```

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

```
.background{ background-color: rgb(189,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor