

Converting Colors

$Y_{xy}(40.4850, 0.3315, 0.3261)$

Have a look what the booklet for
Yxy(40.4850, 0.3315, 0.3261)
contains.

Yxy(40.3022, 0.3308, 0.3251)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.3022, 0.3308, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	BBA5A8
RGB	187, 165, 168
RGB Percent	73%, 65%, 66%
CMY	0.2668, 0.3529, 0.3412
CMYK	0.00, 0.12, 0.10, 0.27
HSL	352°, 14%, 69%
HSV	352°, 12%, 73%
XYZ	41.0088, 40.3022, 42.6576
YIQ	171.9200, 12.1490, 5.5970

Conversions

Conversions Part 2

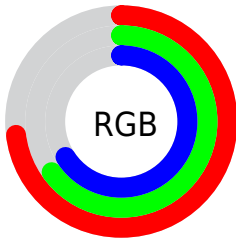
Format	Color
RYB	187, 165, 168
Decimal	12297640
CIELab	69.68, 8.49, 1.39
CIELCh	70, 8.602, 9.280
Yxy	40.3022, 0.3308, 0.3251
Android (android.graphics.Color)	4290487720 (0xFFBBA5A8)
YUV	171.9200, -1.9326, 13.2252
Hunter-Lab	63.4840, 4.2088, 4.5993

Details

The Yxy color $40.3022, 0.3308, 0.3251$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $46.9869, 0.2971, 0.3329$, and the grayscale version is $41.2164, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5688, 0.3273, 0.3259$, and $18.1395, 0.3370, 0.3236$ is the 20% darker color. If you saturate the color by 10%, you get $33.4787, 0.3502, 0.3216$, and if you desaturate by 10%, it is $48.1901, 0.3151, 0.3284$.

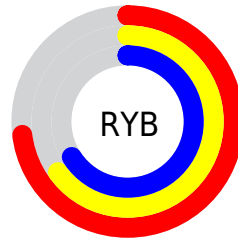
Distribution



Red (73%)

Green (65%)

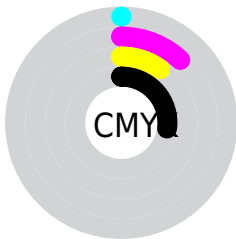
Blue (66%)



Red (73%)

Yellow (65%)

Blue (66%)

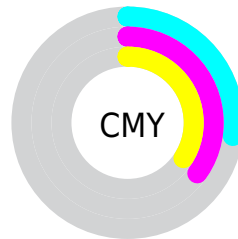


Cyan (0%)

Magenta (12%)

Yellow (10%)

Black (27%)



Cyan (27%)


Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3022, 0.3308, 0.3251 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 40.3022, 0.3308, 0.3251 by changing the saturation by 10% instead.


 40.3022, 0.3308,
0.3251


 40.3022, 0.3308,
0.3251


347.3957, 0.3215,
0.3271

 27.7742, 0.3332,
0.3246


 75.6235, 0.3274,
0.3259

 18.1555, 0.3363,
0.3238


 99.1856, 0.3261,
0.3261

 11.0617, 0.3406,
0.3229


127.1945, 0.3250,
0.3264

 6.1084, 0.3468,
0.3214

160.0347, 0.3241,
0.3266

 2.9111, 0.3564,
0.3191

198.0905, 0.3233,
0.3268

 1.0855, 0.3735,
0.3149

241.7463, 0.3227,

 0.0000, 1.0000,

0.3269

0.0000

291.3866, 0.3221,
0.3270

0.0000, 0.0000,
0.0000

40.3022, 0.3308,
0.3251

40.3022, 0.3308,
0.3251

33.4787, 0.3502,
0.3216

48.1901, 0.3151,
0.3284

27.6690, 0.3743,
0.3179

57.1797, 0.3025,
0.3315

22.8262, 0.4036,
0.3144

67.3131, 0.2922,
0.3343

18.8978, 0.4387,
0.3114

78.6284, 0.2838,
0.3369

15.8260, 0.4791,
0.3095

88.9084, 0.2767,
0.3355

■ 13.5468, 0.5225,
0.3093

■ 89.3002, 0.2736,
0.3289

■ 11.9867, 0.5649,
0.3114

■ 11.0589, 0.6007,
0.3160

■ 10.6317, 0.6225,
0.3203

Harmonies

Analogous

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



40.3022, 0.3197, 0.3153



40.3022, 0.3308, 0.3251



40.3022, 0.3370, 0.3361

Triad

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



40.3022, 0.3308, 0.3251



40.3022, 0.3182, 0.3500



40.3022, 0.2894, 0.3121

Complementary

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



40.3022, 0.3308, 0.3251



46.9869, 0.2971, 0.3329

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.



40.3022, 0.2890, 0.3212



40.3022, 0.3308, 0.3251



40.3022, 0.3055, 0.3433

Square

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



40.3022, 0.3308, 0.3251



40.3022, 0.3296, 0.3507



40.3022, 0.2949, 0.3326



40.3022, 0.2959, 0.3078

Rectangle

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



40.3022, 0.3308, 0.3251



40.3022, 0.3375, 0.3427



40.3022, 0.2949, 0.3326



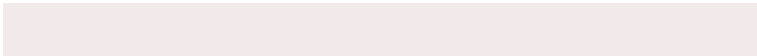
40.3022, 0.2886, 0.3147

Sweetspot

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



40.3040, 0.3308, 0.3251



82.8837, 0.3185, 0.3277



40.6532, 0.3111, 0.3003



18.0092, 0.3196, 0.3274



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.



40.3040, 0.3308, 0.3251



68.9971, 0.3353, 0.3242



43.0495, 0.3322, 0.3392



9.5568, 0.3268, 0.3259



7.3349, 0.6203, 0.3191



0.2942, 0.5671, 0.2898

Inverse Universe

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



40.3040, 0.3308, 0.3251



68.9971, 0.3353, 0.3242



43.9413, 0.2948, 0.3186



9.5568, 0.3268, 0.3259



7.3349, 0.6203, 0.3191



0.2942, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 40.3022, 0.3308, 0.3251 looks on a white background.

Color Contrast Check

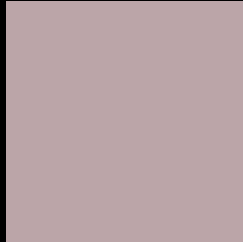
Large Text (above 18pt) WCAG AA × Fail

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 40.3022, 0.3308, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

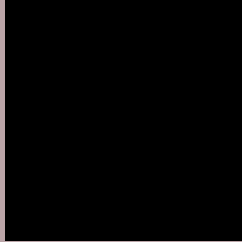
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3022, 0.3308, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 40.3022, 0.3308, 0.3251.



This preview shows how white text looks on a background with the Yxy color 40.3022, 0.3308, 0.3251.

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

40.3022, 0.3308, 0.3251

Protanopia

40.2004, 0.3147, 0.3263

Deuteranopia

40.4288, 0.3318, 0.3251



Tritanopia

40.3769, 0.3247, 0.3133

Trichromacy



Original Color

40.3022, 0.3308, 0.3251

Protanomaly

40.3725, 0.3202, 0.3263

Deuteranomaly

40.4288, 0.3318, 0.3251

Tritanomaly

40.2594, 0.3274, 0.3172

Monochromacy



Original Color

40.3022, 0.3308, 0.3251

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.6633, 0.3183, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3022, 0.3308, 0.3251 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(187, 165, 168)` looks like.

```
.text, #text, p{  
    color:rgb(187, 165, 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(187, 165, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 165, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.3022, 0.3308, 0.3251 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(187, 165, 168) }
```

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

```
.border{ border-color:rgb(187, 165, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 165, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 165, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 165, 168);  
box-shadow:4px 4px 4px 4px rgb(187, 165,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3022, 0.3308, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 165, 168) }
```

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

```
.background{ background-color: rgb(187,  
165, 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