

Converting Colors

$Y_{xy}(40.4536, 0.3272, 0.3198)$

Have a look what the booklet for
Yxy(40.4536, 0.3272, 0.3198)
contains.

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Color

Yxy(40.4536, 0.3272, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	BBA5AC
RGB	187, 165, 172
RGB Percent	73%, 65%, 67%
CMY	0.2668, 0.3529, 0.3255
CMYK	0.00, 0.12, 0.08, 0.27
HSL	341°, 14%, 69%
HSV	341°, 12%, 73%
XYZ	41.3897, 40.4536, 44.6533
YIQ	172.3760, 10.8650, 6.8410

Conversions

Conversions Part 2

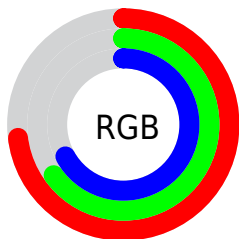
Format	Color
RYB	187, 165, 172
Decimal	12297644
CIELab	69.79, 9.19, -0.68
CIELCh	70, 9.219, 355.798
Yxy	40.4536, 0.3272, 0.3198
Android (android.graphics.Color)	4290487724 (0xFFBBA5AC)
YUV	172.3760, -0.1854, 12.8252
Hunter-Lab	63.6031, 4.8532, 2.8970

Details

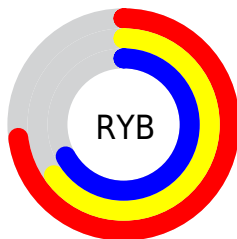
The Yxy color **40.4536, 0.3272, 0.3198** is a light color, and the websafe version is hex **999999**. A complement of this color would be **46.8256, 0.3001, 0.3384**, and the grayscale version is **41.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7871, 0.3245, 0.3218**, and **18.2347, 0.3318, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **33.7288, 0.3425, 0.3115**, and if you desaturate by 10%, it is **48.2151, 0.3147, 0.3277**.

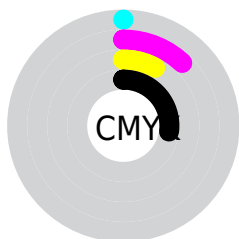
Distribution



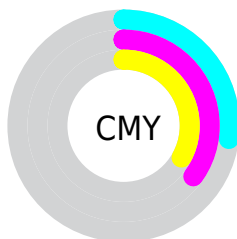
- Red (73%)
- Green (65%)
- Blue (67%)



- Red (73%)
- Yellow (65%)
- Blue (67%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (27%)



- Cyan (27%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4536, 0.3272, 0.3198 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 40.4536, 0.3272, 0.3198 by changing the saturation by 10% instead.


 40.4536, 0.3272,
0.3198


 40.4536, 0.3272,
0.3198


348.0317, 0.3198,
0.3245

 27.8924, 0.3291,
0.3186


 75.8537, 0.3245,
0.3215

 18.2446, 0.3316,
0.3170

 99.4615, 0.3235,
0.3222

 11.1257, 0.3350,
0.3149


127.5201, 0.3226,
0.3227

 6.1515, 0.3398,
0.3119

160.4142, 0.3219,
0.3232

 2.9374, 0.3473,
0.3072

198.5280, 0.3212,
0.3236

 1.0991, 0.3606,
0.2989

242.2459, 0.3207,

 0.0000, 0.9017,

0.3239

0.0000

291.9523, 0.3202,
0.3242

0.0000, 0.0000,
0.0000

40.4536, 0.3272,
0.3198

40.4536, 0.3272,
0.3198

33.7288, 0.3425,
0.3115

48.2151, 0.3147,
0.3277

27.9913, 0.3612,
0.3029

57.0493, 0.3044,
0.3350

23.1960, 0.3838,
0.2945

66.9968, 0.2960,
0.3417

19.2918, 0.4106,
0.2868

78.0948, 0.2892,
0.3479

16.2229, 0.4414,
0.2809

88.1241, 0.2833,
0.3498

■ 13.9271, 0.4755,
0.2778

■ 88.8912, 0.2768,
0.3358

■ 12.3333, 0.5109,
0.2786

■ 89.3015, 0.2736,
0.3289

■ 11.3573, 0.5448,
0.2842

■ 10.8818, 0.5700,
0.2914

Harmonies

Analogous

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



40.4536, 0.3140, 0.3108



40.4536, 0.3272, 0.3198



40.4536, 0.3366, 0.3313

Triad

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



40.4536, 0.3272, 0.3198



40.4536, 0.3244, 0.3527



40.4536, 0.2868, 0.3148

Complementary

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



40.4536, 0.3272, 0.3198



46.8256, 0.3001, 0.3384

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.



40.4536, 0.2894, 0.3260



40.4536, 0.3272, 0.3198



40.4536, 0.3110, 0.3483

Square

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



40.4536, 0.3272, 0.3198



40.4536, 0.3349, 0.3504



40.4536, 0.2982, 0.3384



40.4536, 0.2909, 0.3077

Rectangle

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



40.4536, 0.3272, 0.3198



40.4536, 0.3393, 0.3390



40.4536, 0.2982, 0.3384



40.4536, 0.2869, 0.3182

Sweetspot

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



40.4554, 0.3272, 0.3198



82.9857, 0.3173, 0.3259



40.1641, 0.3074, 0.2999



18.0356, 0.3182, 0.3253



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.



40.4554, 0.3272, 0.3198



69.3173, 0.3307, 0.3178



41.5336, 0.3329, 0.3339



9.5850, 0.3240, 0.3217



7.5117, 0.5669, 0.2896



0.3064, 0.4973, 0.2513

Inverse Universe

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



40.4554, 0.3272, 0.3198



69.3173, 0.3307, 0.3178



45.5844, 0.2949, 0.3240



9.5850, 0.3240, 0.3217



7.5117, 0.5669, 0.2896



0.3064, 0.4973, 0.2513

Previews

White Background



This preview shows how the Yxy color 40.4536, 0.3272, 0.3198 looks on a white background.

Color Contrast Check

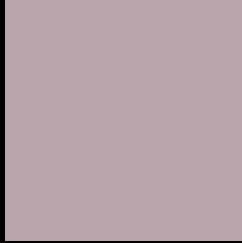
Large Text (above 18pt) WCAG AA × Fail

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 40.4536, 0.3272, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

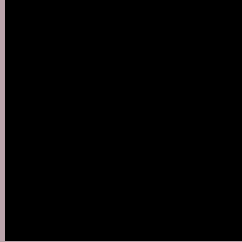
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4536, 0.3272, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 40.4536, 0.3272, 0.3198.



This preview shows how white text looks on a background with the Yxy color 40.4536, 0.3272, 0.3198.

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

40.4536, 0.3272, 0.3198

Protanopia

40.6153, 0.3103, 0.3221

Deuteranopia

40.3279, 0.3263, 0.3197



Tritanopia

40.4166, 0.3238, 0.3120

Trichromacy



Original Color

40.4536, 0.3272, 0.3198

Protanomaly

40.4084, 0.3158, 0.3209

Deuteranomaly

40.3279, 0.3263, 0.3197

Tritanomaly

40.3374, 0.3256, 0.3146

Monochromacy



Original Color

40.4536, 0.3272, 0.3198

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7016, 0.3175, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4536, 0.3272, 0.3198 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(187, 165, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 165, 172) }
```

Border

The CSS property to change the border of an element to Yxy 40.4536, 0.3272, 0.3198 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, 172) }
```

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

```
.border{ border-color:rgb(187, 165, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 165, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 165, 172);  
box-shadow:4px 4px 4px 4px rgb(187, 165,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4536, 0.3272, 0.3198 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, 172) }
```

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

```
.background{ background-color: rgb(187,  
165, 172) }
```

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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