

Converting Colors

$Yxy(40.9716, 0.3602, 0.3787)$

Have a look what the booklet for
Yxy(40.9716, 0.3602, 0.3787)
contains.

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Color

Yxy(40.9098, 0.3597, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	BAAA86
RGB	186, 170, 134
RGB Percent	73%, 67%, 53%
CMY	0.2705, 0.3333, 0.4746
CMYK	0.00, 0.09, 0.28, 0.27
HSL	42°, 27%, 63%
HSV	42°, 28%, 73%
XYZ	38.9292, 40.9098, 28.3879
YIQ	170.6800, 21.0920, -7.8040

Conversions

Conversions Part 2

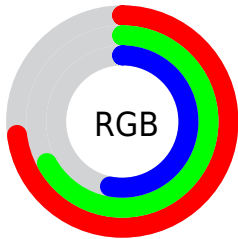
Format	Color
RYB	157, 186, 134
Decimal	12233350
CIELab	70.11, 0.15, 20.70
CIELCh	70, 20.703, 89.598
Yxy	40.9098, 0.3597, 0.3780
Android (android.graphics.Color)	4290423430 (0xFFBAAA86)
YUV	170.6800, -18.0832, 13.4356
Hunter-Lab	63.9608, -3.2886, 18.4576

Details

The Yxy color **40.9098, 0.3597, 0.3780** is a light color, and the websafe version is hex **999966**. A complement of this color would be **30.4215, 0.2671, 0.2746**, and the grayscale version is **40.6412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4930, 0.3515, 0.3690**, and **18.5025, 0.3733, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **38.3375, 0.3790, 0.3959**, and if you desaturate by 10%, it is **43.6706, 0.3416, 0.3600**.

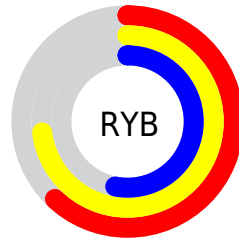
Distribution



Red (73%)

Green (67%)

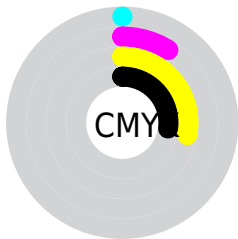
Blue (53%)



Red (62%)

Yellow (73%)

Blue (53%)

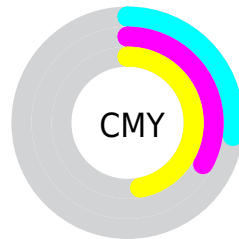


Cyan (0%)

Magenta (9%)

Yellow (28%)

Black (27%)



Cyan (27%)


Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9098, 0.3597, 0.3780 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 40.9098, 0.3597, 0.3780 by changing the saturation by 10% instead.


 40.9098, 0.3597,
0.3780


 40.9098, 0.3597,
0.3780


349.9435, 0.3358,
0.3531


 28.2486, 0.3657,
0.3843


 76.5469, 0.3510,
0.3689

 18.5132, 0.3735,
0.3924


 100.2917, 0.3477,
0.3655

 11.3190, 0.3838,
0.4031


 128.4998, 0.3449,
0.3626

 6.2818, 0.3980,
0.4179

161.5555, 0.3426,
0.3602

 3.0172, 0.4186,
0.4392

199.8434, 0.3405,
0.3580

 1.1407, 0.4883,
0.5117

243.7477, 0.3388,

 0.0125, 0.5526,

0.3562

0.4474

293.6530, 0.3372,
0.3546

0.0000, 0.0000,
0.0000

40.9098, 0.3597,
0.3780

40.9098, 0.3597,
0.3780

38.3375, 0.3790,
0.3959

43.6706, 0.3416,
0.3600

35.9423, 0.3990,
0.4130

46.6198, 0.3249,
0.3424

33.7194, 0.4192,
0.4283

49.7648, 0.3098,
0.3257

31.6619, 0.4386,
0.4408

53.1103, 0.2961,
0.3100

29.7620, 0.4564,
0.4493

56.6614, 0.2839,
0.2954

■ 28.0109, 0.4717,
0.4531

■ 60.4225, 0.2729,
0.2819

■ 26.3952, 0.4841,
0.4523

■ 63.7922, 0.2682,
0.2788

■ 26.0812, 0.4865,
0.4519

■ 66.6713, 0.2688,
0.2854

■ 69.6526, 0.2695,
0.2919

Harmonies

Analogous

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



40.9098, 0.3724, 0.3604



40.9098, 0.3597, 0.3780



40.9098, 0.3345, 0.3827

Triad

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



40.9098, 0.3597, 0.3780



40.9098, 0.2601, 0.3176



40.9098, 0.3190, 0.2915

Complementary

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



40.9098, 0.3597, 0.3780



30.4215, 0.2671, 0.2746

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.



40.9098, 0.2892, 0.2804



40.9098, 0.3597, 0.3780



40.9098, 0.2563, 0.2939

Square

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



40.9098, 0.3597, 0.3780



40.9098, 0.2773, 0.3465



40.9098, 0.2667, 0.2809



40.9098, 0.3484, 0.3115

Rectangle

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



40.9098, 0.3597, 0.3780



40.9098, 0.3144, 0.3768



40.9098, 0.2667, 0.2809



40.9098, 0.3087, 0.2867

Sweetspot

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



40.9117, 0.3597, 0.3780



84.3977, 0.3252, 0.3427



29.7005, 0.3538, 0.3062



18.4026, 0.3276, 0.3453



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.



40.9117, 0.3597, 0.3780



71.0302, 0.3723, 0.3899



46.1321, 0.3457, 0.3999



10.0243, 0.3271, 0.3448



17.6802, 0.4854, 0.4528



0.7276, 0.4646, 0.4693

Inverse Universe

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



30.4215, 0.2671, 0.2746



48.6835, 0.2554, 0.2594



26.4739, 0.2734, 0.2513



9.1583, 0.2985, 0.3127



4.4886, 0.1622, 0.1038



0.2715, 0.1774, 0.1584

Previews

White Background



This preview shows how the Yxy color 40.9098, 0.3597, 0.3780 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 40.9098, 0.3597, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

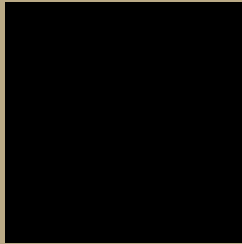
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9098, 0.3597, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 40.9098, 0.3597, 0.3780.



This preview shows how white text looks on a background with the Yxy color 40.9098, 0.3597, 0.3780.

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

40.9098, 0.3597, 0.3780

Protanopia

40.9424, 0.3555, 0.3784

Deuteranopia

40.9389, 0.3745, 0.3681



Tritanopia

40.8016, 0.3266, 0.3121

Trichromacy



Original Color

40.9098, 0.3597, 0.3780

Protanomaly

41.0654, 0.3565, 0.3782

Deuteranomaly

40.9888, 0.3687, 0.3714

Tritanomaly

40.6645, 0.3390, 0.3357

Monochromacy



Original Color

40.9098, 0.3597, 0.3780

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.8245, 0.3284, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9098, 0.3597, 0.3780 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(186, 170, 134)` looks like.

```
.text, #text, p{  
    color:rgb(186, 170, 134)  
}
```

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(186, 170, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 170, 134) }
```

Border

The CSS property to change the border of an element to Yxy 40.9098, 0.3597, 0.3780 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(186, 170, 134) }
```

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

```
.border{ border-color:rgb(186, 170, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 170, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 170, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 170, 134);  
box-shadow:4px 4px 4px 4px rgb(186, 170,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9098, 0.3597, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 170, 134) }
```

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

```
.background{ background-color: rgb(186,  
170, 134) }
```

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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