

Converting Colors

$Yxy(39.8835, 0.3340, 0.3676)$

Have a look what the booklet for
Yxy(39.8835, 0.3340, 0.3676)
contains.

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Color

Yxy(40.0954, 0.3339, 0.3674)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | AAAC91 |
| RGB | 170, 172, 145 |
| RGB Percent | 67%, 67%, 57% |
| CMY | 0.3333, 0.3255, 0.4315 |
| CMYK | 0.01, 0.00, 0.16, 0.33 |
| HSL | 64°, 14%, 62% |
| HSV | 64°, 16%, 67% |
| XYZ | 36.4395, 40.0954, 32.5980 |
| YIQ | 168.3240, 7.4750, -8.8210 |

Conversions

Conversions Part 2

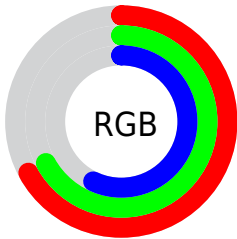
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 145, 172, 147 |
| Decimal | 11185297 |
| CIELab | 69.54, -5.47, 13.68 |
| CIELCh | 70, 14.735, 111.776 |
| Yxy | 40.0954, 0.3339, 0.3674 |
| Android (android.graphics.Color) | 4289375377 (0xFFAAAC91) |
| YUV | 168.3240, -11.4987, 1.4699 |
| Hunter-Lab | 63.3209, -8.0898, 13.8018 |

Details

The Yxy color **40.0954, 0.3339, 0.3674** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.4252, 0.2897, 0.2880**, and the grayscale version is **39.3804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0692, 0.3297, 0.3595**, and **18.0926, 0.3410, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **39.4645, 0.3476, 0.3926**, and if you desaturate by 10%, it is **40.8115, 0.3203, 0.3427**.

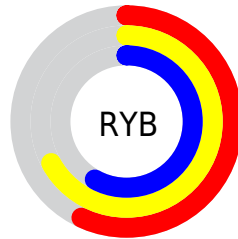
Distribution



Red (67%)

Green (67%)

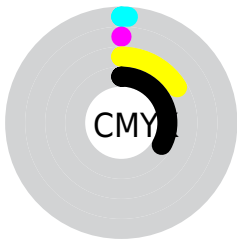
Blue (57%)



Red (57%)

Yellow (67%)

Blue (58%)

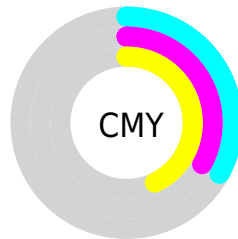


Cyan (1%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (33%)


Magenta (33%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0954, 0.3339, 0.3674 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 40.0954, 0.3339, 0.3674 by changing the saturation by 10% instead.


 40.0954, 0.3339,
0.3674


 40.0954, 0.3339,
0.3674


346.5255, 0.3232,
0.3475

 27.6129, 0.3366,
0.3726


 75.3088, 0.3300,
0.3600

 18.0341, 0.3401,
0.3794


 98.8084, 0.3285,
0.3573

 10.9745, 0.3447,
0.3887


126.7493, 0.3273,
0.3550

 6.0497, 0.3512,
0.4022

159.5158, 0.3262,
0.3530

 2.8753, 0.3608,
0.4233

197.4923, 0.3253,
0.3514

 1.0670, 0.4086,
0.5008

241.0631, 0.3245,

 0.0000, 0.0000,

0.3499

0.0000

290.6127, 0.3238,
0.3486

■ 40.0954, 0.3339,
0.3674

■ 40.0954, 0.3339,
0.3674

■ 39.4645, 0.3476,
0.3926

■ 40.8115, 0.3203,
0.3427

■ 38.9100, 0.3609,
0.4175

■ 41.6110, 0.3071,
0.3190

■ 38.4297, 0.3733,
0.4413

■ 42.4987, 0.2946,
0.2967

■ 38.0194, 0.3843,
0.4630

■ 43.4778, 0.2829,
0.2759

■ 37.6746, 0.3934,
0.4816

■ 44.5510, 0.2720,
0.2569

■ 37.3898, 0.4001,
0.4964

■ 45.7211, 0.2620,
0.2395

■ 37.1592, 0.4043,
0.5069

■ 46.3038, 0.2588,
0.2332

■ 36.9749, 0.4061,
0.5133

■ 46.4566, 0.2597,
0.2335

■ 36.9026, 0.4065,
0.5155

■ 46.6108, 0.2606,
0.2337

Harmonies

Analogous

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



40.0954, 0.3499, 0.3618



40.0954, 0.3339, 0.3674



40.0954, 0.3126, 0.3619

Triad

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



40.0954, 0.3339, 0.3674



40.0954, 0.2715, 0.3079



40.0954, 0.3333, 0.3121

Complementary

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



40.0954, 0.3339, 0.3674



29.4252, 0.2897, 0.2880

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.



40.0954, 0.3116, 0.2988



40.0954, 0.3339, 0.3674



40.0954, 0.2765, 0.2959

Square

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



40.0954, 0.3339, 0.3674



40.0954, 0.2770, 0.3265



40.0954, 0.2909, 0.2929



40.0954, 0.3496, 0.3298

Rectangle

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



40.0954, 0.3339, 0.3674



40.0954, 0.2984, 0.3526



40.0954, 0.2909, 0.2929



40.0954, 0.3263, 0.3070

Sweetspot

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



40.0972, 0.3339, 0.3674



74.1180, 0.3195, 0.3412



31.6147, 0.3413, 0.3317



16.0872, 0.3204, 0.3428



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



40.0972, 0.3339, 0.3674



72.3032, 0.3389, 0.3765



38.6882, 0.3214, 0.3689



9.2995, 0.3252, 0.3515



27.4698, 0.4066, 0.5154



0.7729, 0.4107, 0.5121

Inverse Universe

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



29.4252, 0.2897, 0.2880



49.0684, 0.2837, 0.2774



30.7275, 0.3027, 0.2895



7.7846, 0.2997, 0.3056



2.2888, 0.1529, 0.0616



0.0727, 0.1654, 0.0685

Previews

White Background



This preview shows how the Yxy color 40.0954, 0.3339, 0.3674 looks on a white background.

Color Contrast Check

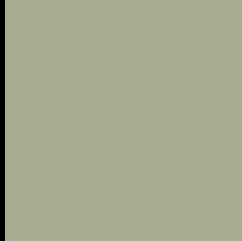
Large Text (above 18pt) WCAG AA × Fail

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 40.0954, 0.3339, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

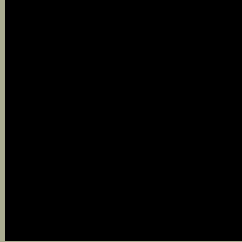
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

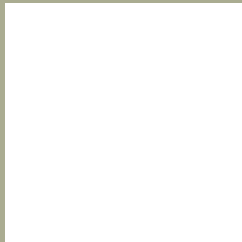
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0954, 0.3339, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 40.0954, 0.3339, 0.3674.



This preview shows how white text looks on a background with the Yxy color 40.0954, 0.3339, 0.3674.

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

40.0954, 0.3339, 0.3674

Protanopia

39.9733, 0.3441, 0.3637

Deuteranopia

39.7703, 0.3577, 0.3503



Tritanopia

40.0467, 0.3090, 0.3114

Trichromacy



Original Color

40.0954, 0.3339, 0.3674

Protanomaly

39.9932, 0.3409, 0.3654

Deuteranomaly

39.6620, 0.3489, 0.3564

Tritanomaly

40.0502, 0.3181, 0.3318

Monochromacy



Original Color

40.0954, 0.3339, 0.3674

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.3490, 0.3204, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0954, 0.3339, 0.3674 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(170, 172, 145)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 145)  
}
```

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(170, 172, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 145) }
```

Border

The CSS property to change the border of an element to Yxy 40.0954, 0.3339, 0.3674 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(170, 172, 145) }
```

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

```
.border{ border-color:rgb(170, 172, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 145);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0954, 0.3339, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 145) }
```

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

```
.background{ background-color: rgb(170,  
172, 145) }
```

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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