

# Converting Colors

$Yxy(40.8574, 0.3406, 0.3442)$

Have a look what the booklet for  
Yxy(40.8574, 0.3406, 0.3442)  
contains.

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# Color

**Yxy(40.9704, 0.3412, 0.3452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBA89C
RGB	187, 168, 156
RGB Percent	73%, 66%, 61%
CMY	0.2667, 0.3412, 0.3883
CMYK	0.00, 0.10, 0.17, 0.27
HSL	23°, 19%, 67%
HSV	23°, 17%, 73%
XYZ	40.4957, 40.9704, 37.2199
YIQ	172.3130, 15.1760, 0.2960

# Conversions

## Conversions Part 2

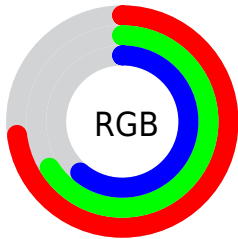
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">187, 176, 156</a>
Decimal	<a href="#">12298396</a>
CIELab	<a href="#">70.16, 4.88, 8.70</a>
CIElCh	<a href="#">70, 9.976, 60.731</a>
Yxy	<a href="#">40.9704, 0.3412, 0.3452</a>
Android (android.graphics.Color)	<a href="#">4290488476 (0xFFBBA89C)</a>
YUV	<a href="#">172.3130, -8.0423, 12.8805</a>
Hunter-Lab	<a href="#">64.0081, 0.9164, 10.3293</a>

# Details

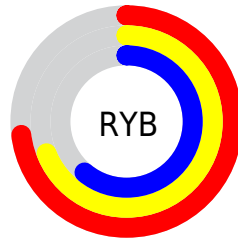
The Yxy color **40.9704, 0.3412, 0.3452** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.3064, 0.2873, 0.3122**, and the grayscale version is **41.4580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4832, 0.3359, 0.3426**, and **18.5790, 0.3503, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **36.3425, 0.3622, 0.3556**, and if you desaturate by 10%, it is **46.0720, 0.3232, 0.3352**.

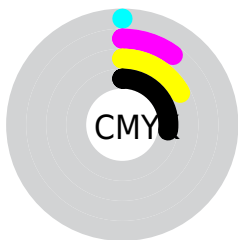
# Distribution



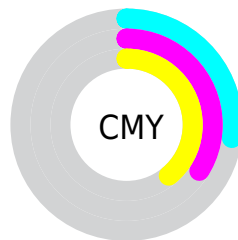
- Red (73%)
- Green (66%)
- Blue (61%)



- Red (73%)
- Yellow (69%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (17%)
- Black (27%)




- Cyan (27%)
- Magenta (34%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9704, 0.3412, 0.3452 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 40.9704, 0.3412, 0.3452 by changing the saturation by 10% instead.





 40.9704, 0.3412,  
0.3452


 40.9704, 0.3412,  
0.3452


350.1969, 0.3266,  
0.3371

 28.2960, 0.3450,  
0.3472


 76.6390, 0.3358,  
0.3422

 18.5489, 0.3499,  
0.3499


 100.4019, 0.3338,  
0.3411

 11.3448, 0.3566,  
0.3534


128.6297, 0.3321,  
0.3402

 6.2992, 0.3662,  
0.3582

161.7069, 0.3307,  
0.3394

 3.0279, 0.3810,  
0.3655

200.0178, 0.3294,  
0.3387

 1.1463, 0.4125,  
0.3822

243.9468, 0.3284,

 0.0172, 0.8874,

0.3381

0.1126

293.8784, 0.3274,  
0.3375

0.0000, 0.0000,  
0.0000

40.9704, 0.3412,  
0.3452

40.9704, 0.3412,  
0.3452

36.3425, 0.3622,  
0.3556

46.0720, 0.3232,  
0.3352

32.1687, 0.3863,  
0.3662

51.6550, 0.3077,  
0.3259

28.4362, 0.4137,  
0.3763

57.7343, 0.2945,  
0.3172

25.1292, 0.4440,  
0.3852

64.3219, 0.2832,  
0.3093

22.2313, 0.4763,  
0.3917

71.4299, 0.2734,  
0.3020

■ 19.7243, 0.5088,  
0.3946

■ 78.1910, 0.2717,  
0.3090

■ 17.5886, 0.5392,  
0.3928

■ 85.0254, 0.2729,  
0.3216

■ 15.8013, 0.5650,  
0.3858

■ 89.3047, 0.2736,  
0.3289

■ 15.2613, 0.5733,  
0.3830

# Harmonies

## Analogous

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



40.9704, 0.3395, 0.3335



40.9704, 0.3412, 0.3452



40.9704, 0.3351, 0.3529

# Triad

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



40.9704, 0.3412, 0.3452



40.9704, 0.2952, 0.3370



40.9704, 0.3020, 0.3050

# Complementary

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



40.9704, 0.3412, 0.3452



41.3064, 0.2873, 0.3122

# 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.



40.9704, 0.2905, 0.3054



40.9704, 0.3412, 0.3452



40.9704, 0.2867, 0.3235

# Square

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



40.9704, 0.3412, 0.3452



40.9704, 0.3084, 0.3484



40.9704, 0.2850, 0.3120



40.9704, 0.3166, 0.3107



# Rectangle

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



40.9704, 0.3412, 0.3452



40.9704, 0.3275, 0.3546



40.9704, 0.2850, 0.3120



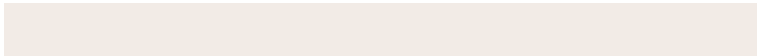
40.9704, 0.2977, 0.3044

# Sweetspot

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



40.9722, 0.3412, 0.3452



83.9629, 0.3207, 0.3338



37.4368, 0.3255, 0.3036



18.3398, 0.3218, 0.3345



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.



40.9722, 0.3412, 0.3452



70.1841, 0.3487, 0.3491



46.9888, 0.3380, 0.3651



10.1265, 0.3279, 0.3379



10.6463, 0.5711, 0.3847



0.5447, 0.5266, 0.4201



# Inverse Universe

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



41.3064, 0.2873, 0.3122



70.8966, 0.2815, 0.3081



35.6594, 0.2863, 0.2902



10.1716, 0.2984, 0.3199



10.9890, 0.1885, 0.1984



0.5538, 0.1981, 0.2332



# Previews

## White Background



This preview shows how the Yxy color 40.9704, 0.3412, 0.3452 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 40.9704, 0.3412, 0.3452 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 40.9704, 0.3412, 0.3452**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.9704, 0.3412, 0.3452.



This preview shows how white text looks on a background with the Yxy color 40.9704, 0.3412, 0.3452.

# 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

40.9704, 0.3412, 0.3452

### Protanopia

41.0594, 0.3303, 0.3469

### Deuteranopia

40.7799, 0.3487, 0.3409



## Tritanopia

41.0718, 0.3247, 0.3121

# Trichromacy



## Original Color

40.9704, 0.3412, 0.3452

## Protanomaly

41.0075, 0.3342, 0.3468

## Deuteranomaly

40.7491, 0.3455, 0.3424

## Tritanomaly

40.9935, 0.3308, 0.3238

# Monochromacy



## Original Color

40.9704, 0.3412, 0.3452

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.2261, 0.3224, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9704, 0.3412, 0.3452 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, 168, 156)` looks like.

```
.text, #text, p{  
    color:rgb(187, 168, 156)  
}
```

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, 168, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 168, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9704, 0.3412, 0.3452 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, 168, 156) }
```

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

```
.border{ border-color:rgb(187, 168, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 168, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 168, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 168, 156);  
box-shadow:4px 4px 4px 4px rgb(187, 168,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9704, 0.3412, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 168, 156) }
```

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

```
.background{ background-color: rgb(187,  
168, 156) }
```

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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