

# Converting Colors

$Y_{xy}(41.2311, 0.3324, 0.3342)$

Have a look what the booklet for  
Yxy(41.2311, 0.3324, 0.3342)  
contains.

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# Color

**Yxy(41.1247, 0.3330, 0.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BAA8A4</a>
RGB	<a href="#">186, 168, 164</a>
RGB Percent	<a href="#">73%, 66%, 64%</a>
CMY	<a href="#">0.2706, 0.3412, 0.3568</a>
CMYK	<a href="#">0.00, 0.10, 0.12, 0.27</a>
HSL	<a href="#">11°, 14%, 69%</a>
HSV	<a href="#">11°, 12%, 73%</a>
XYZ	<a href="#">40.9525, 41.1247, 40.9033</a>
YIQ	<a href="#">172.9260, 12.0120, 2.5720</a>

# Conversions

## Conversions Part 2

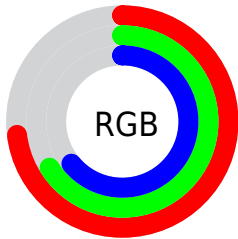
Format	Color
R <sub>Y</sub> B	186, 169, 164
Decimal	12232868
CIE Lab	70.26, 5.82, 4.42
CIE LCh	70, 7.309, 37.208
Yxy	41.1247, 0.3330, 0.3344
Android (android.graphics.Color)	4290422948 (0xFFBAA8A4)
YUV	172.9260, -4.4005, 11.4659
Hunter-Lab	64.1285, 1.7653, 7.0728

# Details

The Yxy color  $41.1247, 0.3330, 0.3344$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $44.8919, 0.2948, 0.3235$ , and the grayscale version is  $41.7685, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.7671, 0.3290, 0.3332$ , and  $18.6472, 0.3400, 0.3364$  is the 20% darker color. If you saturate the color by 10%, you get  $35.2092, 0.3541, 0.3393$ , and if you desaturate by 10%, it is  $47.7995, 0.3156, 0.3298$ .

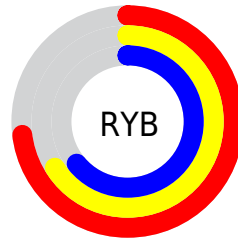
# Distribution



Red (73%)

Green (66%)

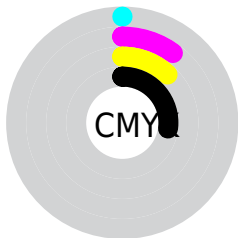
Blue (64%)



Red (73%)

Yellow (66%)

Blue (64%)

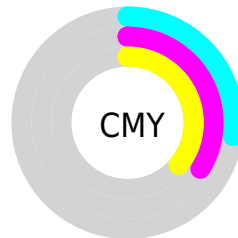


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (27%)



Cyan (27%)

Magenta (34%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1247, 0.3330, 0.3344 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 41.1247, 0.3330, 0.3344 by changing the saturation by 10% instead.




 41.1247, 0.3330,  
0.3344

 41.1247, 0.3330,  
0.3344


350.8415, 0.3226,  
0.3317

 28.4165, 0.3357,  
0.3351


 76.8732, 0.3292,  
0.3334

 18.6399, 0.3392,  
0.3359


 100.6822, 0.3277,  
0.3331

 11.4104, 0.3439,  
0.3370


128.9604, 0.3265,  
0.3328

 6.3436, 0.3508,  
0.3385

162.0921, 0.3255,  
0.3325

 3.0551, 0.3614,  
0.3408

200.4616, 0.3246,  
0.3323

 1.1606, 0.3804,  
0.3443

244.4535, 0.3239,

 0.0291, 0.8535,

0.3321

0.1465

294.4520, 0.3232,  
0.3319

0.0000, 0.0000,  
0.0000

41.1247, 0.3330,  
0.3344

41.1247, 0.3330,  
0.3344

35.2092, 0.3541,  
0.3393

47.7995, 0.3156,  
0.3298

30.0208, 0.3796,  
0.3444

55.2537, 0.3011,  
0.3256

25.5329, 0.4100,  
0.3493

63.5134, 0.2892,  
0.3217

21.7152, 0.4454,  
0.3537

72.6016, 0.2793,  
0.3182

18.5352, 0.4852,  
0.3568

82.4111, 0.2720,  
0.3171

■ 15.9576, 0.5271,  
0.3577

■ 89.1785, 0.2731,  
0.3289

■ 13.9435, 0.5672,  
0.3558

■ 12.4495, 0.6005,  
0.3506

■ 11.5733, 0.6209,  
0.3452

# Harmonies

## Analogous

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



41.1247, 0.3274, 0.3251



41.1247, 0.3330, 0.3344



41.1247, 0.3330, 0.3425

# Triad

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



41.1247, 0.3330, 0.3344



41.1247, 0.3073, 0.3416



41.1247, 0.2980, 0.3112

# Complementary

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



41.1247, 0.3330, 0.3344



44.8919, 0.2948, 0.3235

# 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.



41.1247, 0.2928, 0.3152



41.1247, 0.3330, 0.3344



41.1247, 0.2981, 0.3328

# Square

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



41.1247, 0.3330, 0.3344



41.1247, 0.3181, 0.3469



41.1247, 0.2929, 0.3231



41.1247, 0.3071, 0.3119



# Rectangle

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



41.1247, 0.3330, 0.3344



41.1247, 0.3299, 0.3461



41.1247, 0.2929, 0.3231



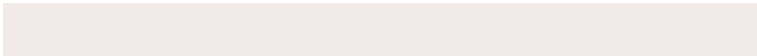
41.1247, 0.2957, 0.3120

# Sweetspot

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



41.1265, 0.3330, 0.3344



83.8092, 0.3192, 0.3308



40.3825, 0.3172, 0.3050



18.2488, 0.3204, 0.3311



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.



41.1265, 0.3330, 0.3344



71.8412, 0.3377, 0.3356



45.2253, 0.3313, 0.3484



9.2695, 0.3283, 0.3332



7.8678, 0.6190, 0.3467



0.3584, 0.5729, 0.3833



# Inverse Universe

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



44.8919, 0.2948, 0.3235



79.9213, 0.2912, 0.3223



40.6908, 0.2945, 0.3088



9.9252, 0.2985, 0.3247



17.6289, 0.2085, 0.2706



0.6948, 0.2131, 0.2872



# Previews

## White Background



This preview shows how the Yxy color 41.1247, 0.3330, 0.3344 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 41.1247, 0.3330, 0.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

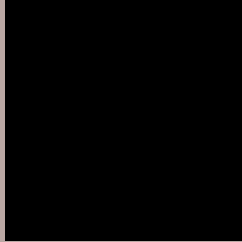
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.1247, 0.3330, 0.3344**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.1247, 0.3330, 0.3344.



This preview shows how white text looks on a background with the Yxy color 41.1247, 0.3330, 0.3344.

# 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

41.1247, 0.3330, 0.3344

### Protanopia

41.1091, 0.3215, 0.3359

### Deuteranopia

41.0291, 0.3381, 0.3317



## Tritanopia

41.2185, 0.3218, 0.3120

# Trichromacy



## Original Color

41.1247, 0.3330, 0.3344

## Protanomaly

41.1694, 0.3262, 0.3358

## Deuteranomaly

41.1366, 0.3360, 0.3330

## Tritanomaly

41.2582, 0.3252, 0.3198

# Monochromacy



## Original Color

41.1247, 0.3330, 0.3344

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.4931, 0.3199, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1247, 0.3330, 0.3344 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, 168, 164)` looks like.

```
.text, #text, p{  
    color:rgb(186, 168, 164)  
}
```

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, 168, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 168, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1247, 0.3330, 0.3344 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, 168, 164) }
```

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

```
.border{ border-color:rgb(186, 168, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 168, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 168, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 168, 164);  
box-shadow:4px 4px 4px 4px rgb(186, 168,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1247, 0.3330, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 168, 164) }
```

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

```
.background{ background-color: rgb(186,  
168, 164) }
```

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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