

# Converting Colors

$Yxy(41.6557, 0.3648, 0.3775)$

Have a look what the booklet for  
Yxy(41.6557, 0.3648, 0.3775)  
contains.

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# Color

**Yxy(41.5470, 0.3646, 0.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFAA86
RGB	191, 170, 134
RGB Percent	75%, 67%, 53%
CMY	0.2509, 0.3334, 0.4745
CMYK	0.00, 0.11, 0.30, 0.25
HSL	38°, 31%, 64%
HSV	38°, 30%, 75%
XYZ	40.1698, 41.5470, 28.4582
YIQ	172.1750, 24.0720, -6.7440

# Conversions

## Conversions Part 2

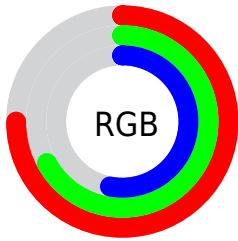
Format	Color
<a href="#">RYB</a>	<a href="#">167, 191, 134</a>
Decimal	<a href="#">12561030</a>
CIELab	<a href="#">70.56, 2.13, 21.36</a>
CIELCh	<a href="#">71, 21.470, 84.303</a>
Yxy	<a href="#">41.5470, 0.3646, 0.3771</a>
Android (android.graphics.Color)	<a href="#">4290751110 (0xFFBFAA86)</a>
YUV	<a href="#">172.1750, -18.8203, 16.5095</a>
Hunter-Lab	<a href="#">64.4570, -1.5578, 18.9429</a>

# Details

The Yxy color **41.5470, 0.3646, 0.3771** is a light color, and the websafe version is hex **999966**. A complement of this color would be **32.2894, 0.2643, 0.2756**, and the grayscale version is **41.4389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3947, 0.3552, 0.3685**, and **18.9153, 0.3802, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **38.4912, 0.3852, 0.3936**, and if you desaturate by 10%, it is **44.8446, 0.3455, 0.3605**.

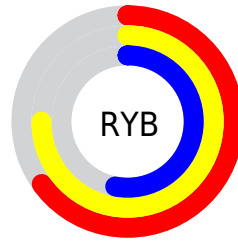
# Distribution



Red (75%)

Green (67%)

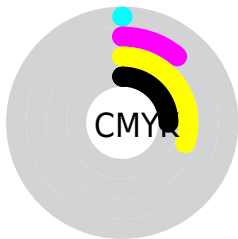
Blue (53%)



Red (65%)

Yellow (75%)

Blue (53%)

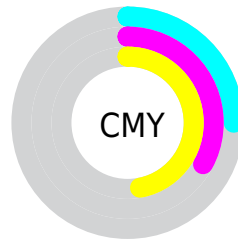


Cyan (0%)

Magenta (11%)

Yellow (30%)

Black (25%)



Cyan (25%)

Magenta (33%)


Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5470, 0.3646, 0.3771 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 41.5470, 0.3646, 0.3771 by changing the saturation by 10% instead.





 41.5470, 0.3646,  
0.3771


 41.5470, 0.3646,  
0.3771

352.6016, 0.3382,  
0.3529


 28.7467, 0.3713,  
0.3831


 77.5136, 0.3550,  
0.3683

 18.8893, 0.3798,  
0.3908


 101.4487, 0.3513,  
0.3650

 11.5903, 0.3912,  
0.4009


 129.8642, 0.3483,  
0.3622

 6.4654, 0.4069,  
0.4147

163.1445, 0.3457,  
0.3598

 3.1301, 0.4295,  
0.4340

201.6740, 0.3435,  
0.3577

 1.2000, 0.5011,  
0.4989

245.8371, 0.3415,

 0.0617, 0.6420,

0.3559

0.3580

296.0182, 0.3398,  
0.3543

0.0000, 0.0000,  
0.0000

41.5470, 0.3646,  
0.3771

41.5470, 0.3646,  
0.3771

38.4912, 0.3852,  
0.3936

44.8446, 0.3455,  
0.3605

35.6641, 0.4069,  
0.4092

48.3852, 0.3281,  
0.3443

33.0596, 0.4291,  
0.4228

52.1772, 0.3125,  
0.3288

30.6692, 0.4508,  
0.4335

56.2271, 0.2985,  
0.3142

28.4832, 0.4709,  
0.4400

60.5406, 0.2861,  
0.3008

■ 26.4909, 0.4883,  
0.4416

■ 65.1237, 0.2751,  
0.2883

■ 24.6732, 0.5030,  
0.4387

■ 69.1346, 0.2722,  
0.2897

■ 24.6472, 0.5032,  
0.4386

■ 72.8975, 0.2729,  
0.2977

■ 76.8181, 0.2736,  
0.3055

# Harmonies

## Analogous

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



41.5470, 0.3749, 0.3572



41.5470, 0.3646, 0.3771



41.5470, 0.3404, 0.3848

# Triad

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



41.5470, 0.3646, 0.3771



41.5470, 0.2606, 0.3223



41.5470, 0.3135, 0.2876

# Complementary

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



41.5470, 0.3646, 0.3771



32.2894, 0.2643, 0.2756

# 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.



41.5470, 0.2836, 0.2781



41.5470, 0.3646, 0.3771



41.5470, 0.2542, 0.2963

# Square

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



41.5470, 0.3646, 0.3771



41.5470, 0.2805, 0.3522



41.5470, 0.2624, 0.2808



41.5470, 0.3446, 0.3068



# Rectangle

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



41.5470, 0.3646, 0.3771



41.5470, 0.3200, 0.3808



41.5470, 0.2624, 0.2808



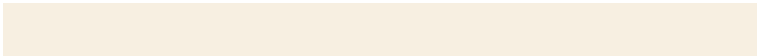
41.5470, 0.3030, 0.2832

# Sweetspot

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



41.5489, 0.3646, 0.3771



87.0922, 0.3270, 0.3431



30.5282, 0.3533, 0.2995



18.9124, 0.3294, 0.3455



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



41.5489, 0.3646, 0.3771



70.6627, 0.3783, 0.3882



49.2341, 0.3513, 0.4041



10.5126, 0.3273, 0.3435



16.3500, 0.5018, 0.4398



0.7615, 0.4772, 0.4593



# Inverse Universe

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



32.2894, 0.2643, 0.2756



51.3665, 0.2526, 0.2613



26.4478, 0.2667, 0.2444



9.7864, 0.2984, 0.3141



5.5313, 0.1665, 0.1195



0.3429, 0.1804, 0.1694



# Previews

## White Background



This preview shows how the Yxy color 41.5470, 0.3646, 0.3771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

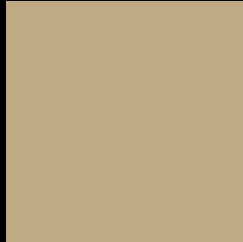
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.5470, 0.3646, 0.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

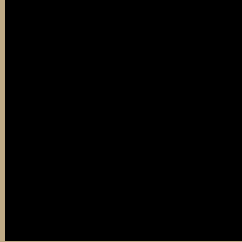
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.5470, 0.3646, 0.3771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.5470, 0.3646, 0.3771.



This preview shows how white text looks on a background with the Yxy color 41.5470, 0.3646, 0.3771.

# 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

41.5470, 0.3646, 0.3771

### Protanopia

41.4447, 0.3561, 0.3795

### Deuteranopia

41.5783, 0.3761, 0.3691



## Tritanopia

41.4610, 0.3314, 0.3124

# Trichromacy



## Original Color

41.5470, 0.3646, 0.3771

## Protanomaly

41.4399, 0.3594, 0.3777

## Deuteranomaly

41.3925, 0.3717, 0.3709

## Tritanomaly

41.3150, 0.3438, 0.3356

# Monochromacy



## Original Color

41.5470, 0.3646, 0.3771

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.1781, 0.3312, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5470, 0.3646, 0.3771 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(191, 170, 134)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 170, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 170, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5470, 0.3646, 0.3771 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(191, 170, 134) }
```

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

```
.border{ border-color:rgb(191, 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(191, 170, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 170, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 170, 134);  
box-shadow:4px 4px 4px 4px rgb(191, 170,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5470, 0.3646, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 170, 134) }
```

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

```
.background{ background-color: rgb(191,  
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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