

# Converting Colors

$Yxy(47.0610, 0.3507, 0.3697)$

Have a look what the booklet for  
Yxy(47.0610, 0.3507, 0.3697)  
contains.

<b>Yxy(47.2600, 0.3506, 0.3703)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(47.2600, 0.3506, 0.3703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B696
RGB	195, 182, 150
RGB Percent	76%, 71%, 59%
CMY	0.2352, 0.2863, 0.4117
CMYK	0.00, 0.07, 0.23, 0.24
HSL	43°, 27%, 68%
HSV	43°, 23%, 76%
XYZ	44.7458, 47.2600, 35.6205
YIQ	182.2390, 18.0200, -7.1960

# Conversions

## Conversions Part 2

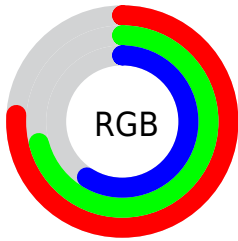
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 195, 150
Decimal	12826262
CIE Lab	74.36, -0.50, 17.98
CIE LCh	74, 17.984, 91.599
Yxy	47.2600, 0.3506, 0.3703
Android (android.graphics.Color)	4291016342 (0xFFC3B696)
YUV	182.2390, -15.8938, 11.1914
Hunter-Lab	68.7459, -4.1222, 17.4012

# Details

The Yxy color  $47.2600, 0.3506, 0.3703$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $36.6387, 0.2754, 0.2840$ , and the grayscale version is  $47.0005, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.2042, 0.3440, 0.3633$ , and  $22.2641, 0.3614, 0.3816$  is the 20% darker color. If you saturate the color by 10%, you get  $44.4178, 0.3692, 0.3888$ , and if you desaturate by 10%, it is  $50.3044, 0.3333, 0.3520$ .

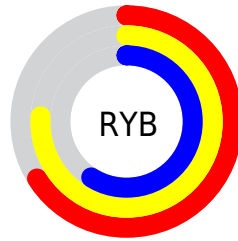
# Distribution



Red (76%)

Green (71%)

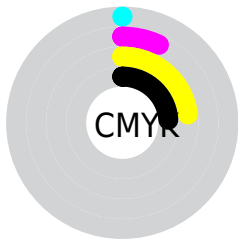
Blue (59%)



Red (66%)

Yellow (76%)

Blue (59%)

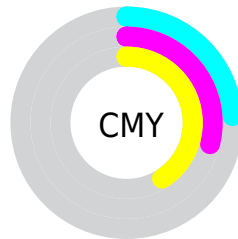


Cyan (0%)

Magenta (7%)

Yellow (23%)

Black (24%)



Cyan (24%)

Magenta (29%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2600, 0.3506, 0.3703 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 47.2600, 0.3506, 0.3703 by changing the saturation by 10% instead.





 47.2600, 0.3506,  
0.3703


 47.2600, 0.3506,  
0.3703


375.8514, 0.3318,  
0.3497

 33.2412, 0.3552,  
0.3754


 86.1016, 0.3438,  
0.3629

 22.3113, 0.3612,  
0.3819


 111.6932, 0.3412,  
0.3601

 14.0858, 0.3689,  
0.3904


141.9112, 0.3391,  
0.3577

 8.1804, 0.3796,  
0.4021

177.1401, 0.3372,  
0.3556

 4.2106, 0.3948,  
0.4190

217.7641, 0.3356,  
0.3539

 1.7920, 0.4263,  
0.4538

264.1678, 0.3341,

 0.4822, 0.4805,

0.3523

0.5195

316.7354, 0.3329,  
0.3509

0.0000, 0.0000,  
0.0000

47.2600, 0.3506,  
0.3703

47.2600, 0.3506,  
0.3703

44.4178, 0.3692,  
0.3888

50.3044, 0.3333,  
0.3520

41.7651, 0.3886,  
0.4069

53.5506, 0.3173,  
0.3343

39.2974, 0.4083,  
0.4235

57.0061, 0.3029,  
0.3175

37.0073, 0.4277,  
0.4378

60.6763, 0.2898,  
0.3019

34.8869, 0.4457,  
0.4486

64.5662, 0.2782,  
0.2874

■ 32.9270, 0.4615,  
0.4551

■ 67.8815, 0.2744,  
0.2861

■ 31.1168, 0.4744,  
0.4566

■ 70.8242, 0.2749,  
0.2925

■ 29.9400, 0.4820,  
0.4555

■ 73.8674, 0.2754,  
0.2988

■ 77.0121, 0.2759,  
0.3050

# Harmonies

## Analogous

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



47.2600, 0.3618, 0.3566



47.2600, 0.3506, 0.3703



47.2600, 0.3294, 0.3729

# Triad

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



47.2600, 0.3506, 0.3703



47.2600, 0.2683, 0.3183



47.2600, 0.3198, 0.2986

# Complementary

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



47.2600, 0.3506, 0.3703



36.6387, 0.2754, 0.2840

# 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.



47.2600, 0.2948, 0.2887



47.2600, 0.3506, 0.3703



47.2600, 0.2659, 0.2990

# Square

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



47.2600, 0.3506, 0.3703



47.2600, 0.2821, 0.3420



47.2600, 0.2754, 0.2886



47.2600, 0.3437, 0.3158



# Rectangle

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



47.2600, 0.3506, 0.3703



47.2600, 0.3126, 0.3674



47.2600, 0.2754, 0.2886



47.2600, 0.3112, 0.2943

# Sweetspot

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



47.2621, 0.3506, 0.3703



93.4893, 0.3236, 0.3413



36.0848, 0.3458, 0.3113



20.3944, 0.3245, 0.3424



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

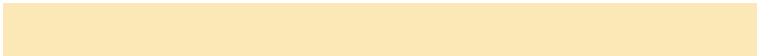


# Same Dimension

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



47.2621, 0.3506, 0.3703



81.8467, 0.3604, 0.3802



51.6912, 0.3394, 0.3874



11.2495, 0.3272, 0.3453



19.6018, 0.4809, 0.4563



0.9606, 0.4642, 0.4696



# Inverse Universe

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



36.6387, 0.2754, 0.2840



59.3262, 0.2660, 0.2718



33.1292, 0.2819, 0.2663



10.2127, 0.2984, 0.3122



4.5567, 0.1609, 0.0991



0.3191, 0.1738, 0.1456



# Previews

## White Background



This preview shows how the Yxy color 47.2600, 0.3506, 0.3703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

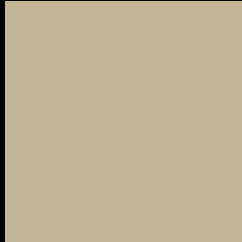
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2600, 0.3506, 0.3703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

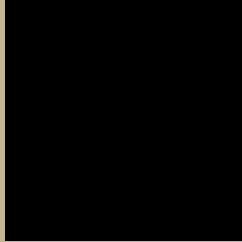
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2600, 0.3506, 0.3703**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2600, 0.3506, 0.3703.

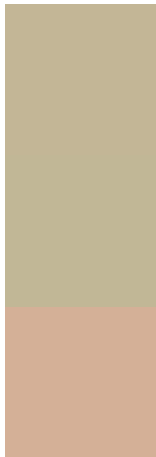


This preview shows how white text looks on a background with the Yxy color 47.2600, 0.3506, 0.3703.

# 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

47.2600, 0.3506, 0.3703

### Protanopia

47.4064, 0.3485, 0.3718

### Deuteranopia

47.2821, 0.3673, 0.3598



## Tritanopia

47.0477, 0.3223, 0.3117

# Trichromacy



## Original Color

47.2600, 0.3506, 0.3703

## Protanomaly

47.5383, 0.3494, 0.3717

## Deuteranomaly

47.1970, 0.3610, 0.3629

## Tritanomaly

46.9417, 0.3329, 0.3328

# Monochromacy



## Original Color

47.2600, 0.3506, 0.3703

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.9230, 0.3267, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2600, 0.3506, 0.3703 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(195, 182, 150)` looks like.

```
.text, #text, p{  
    color:rgb(195, 182, 150)  
}
```

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(195, 182, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 182, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2600, 0.3506, 0.3703 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(195, 182, 150) }
```

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

```
.border{ border-color:rgb(195, 182, 150) }
```

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

Here you see how a box with a 4 pixel rgb(195, 182, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 182, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 182, 150);  
box-shadow:4px 4px 4px 4px rgb(195, 182,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2600, 0.3506, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 182, 150) }
```

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

```
.background{ background-color: rgb(195,  
182, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor