

# Converting Colors

$Yxy(47.4827, 0.3553, 0.3794)$

Have a look what the booklet for  
Yxy(47.4827, 0.3553, 0.3794)  
contains.

<b>Yxy(47.4827, 0.3553, 0.3794)</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(47.4827, 0.3553, 0.3794)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3B790
RGB	195, 183, 144
RGB Percent	76%, 72%, 56%
CMY	0.2354, 0.2823, 0.4353
CMYK	0.00, 0.06, 0.26, 0.24
HSL	46°, 30%, 66%
HSV	46°, 26%, 76%
XYZ	44.4665, 47.4827, 33.2028
YIQ	182.1420, 19.6710, -9.5850

# Conversions

## Conversions Part 2

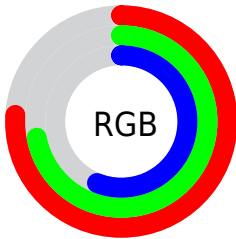
Format	Color
<b>RYB</b>	160, 195, 144
Decimal	12826512
CIELab	74.50, -1.92, 21.41
CIELCh	74, 21.499, 95.133
Yxy	47.4827, 0.3553, 0.3794
Android (android.graphics.Color)	4291016592 (0xFFC3B790)
YUV	182.1420, -18.8040, 11.2765
Hunter-Lab	68.9077, -5.4014, 19.6668

# Details

The Yxy color **47.4827, 0.3553, 0.3794** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.6254, 0.2697, 0.2729**, and the grayscale version is **46.9556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5057, 0.3477, 0.3704**, and **22.4183, 0.3678, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **45.0837, 0.3733, 0.3991**, and if you desaturate by 10%, it is **50.0502, 0.3381, 0.3597**.

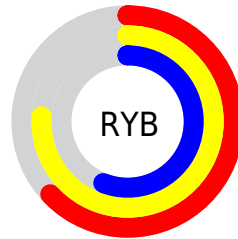
# Distribution



Red (76%)

Green (72%)

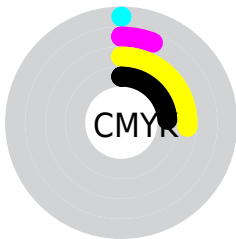
Blue (56%)



Red (63%)

Yellow (76%)

Blue (56%)

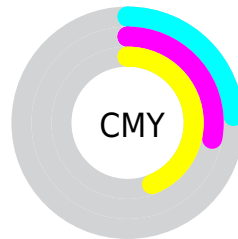


Cyan (0%)

Magenta (6%)

Yellow (26%)

Black (24%)



Cyan (24%)

Magenta (28%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4827, 0.3553, 0.3794 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 47.4827, 0.3553, 0.3794 by changing the saturation by 10% instead.




 47.4827, 0.3553,  
0.3794


 47.4827, 0.3553,  
0.3794


376.7380, 0.3342,  
0.3543

 33.4174, 0.3604,  
0.3856


 86.4337, 0.3477,  
0.3703

 22.4464, 0.3669,  
0.3935


 112.0882, 0.3449,  
0.3669

 14.1853, 0.3754,  
0.4039

142.3745, 0.3424,  
0.3640

 8.2496, 0.3869,  
0.4180

177.6772, 0.3403,  
0.3615

 4.2551, 0.4028,  
0.4382

218.3804, 0.3385,  
0.3593

 1.8173, 0.4442,  
0.4885

264.8687, 0.3369,

 0.4979, 0.4613,

0.3574

0.5387

317.5264, 0.3355,  
0.3558

0.0000, 0.0000,  
0.0000

47.4827, 0.3553,  
0.3794

47.4827, 0.3553,  
0.3794

45.0837, 0.3733,  
0.3991

50.0502, 0.3381,  
0.3597

42.8408, 0.3917,  
0.4179

52.7853, 0.3220,  
0.3404

40.7500, 0.4099,  
0.4349

55.6953, 0.3072,  
0.3220

38.8043, 0.4270,  
0.4492

58.7849, 0.2936,  
0.3048

36.9958, 0.4422,  
0.4596

62.0590, 0.2814,  
0.2887

■ 35.3157, 0.4549,  
0.4655

■ 65.1311, 0.2738,  
0.2799

■ 33.7526, 0.4647,  
0.4667

■ 67.4272, 0.2742,  
0.2851

■ 33.1732, 0.4681,  
0.4665

■ 69.7883, 0.2747,  
0.2903

■ 72.2150, 0.2751,  
0.2954

# Harmonies

## Analogous

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



47.4827, 0.3706, 0.3640



47.4827, 0.3553, 0.3794



47.4827, 0.3289, 0.3812

# Triad

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



47.4827, 0.3553, 0.3794



47.4827, 0.2589, 0.3128



47.4827, 0.3246, 0.2950

# Complementary

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



47.4827, 0.3553, 0.3794



33.6254, 0.2697, 0.2729

# 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.



47.4827, 0.2945, 0.2822



47.4827, 0.3553, 0.3794



47.4827, 0.2578, 0.2910

# Square

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



47.4827, 0.3553, 0.3794



47.4827, 0.2737, 0.3411



47.4827, 0.2705, 0.2804



47.4827, 0.3525, 0.3160



# Rectangle

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



47.4827, 0.3553, 0.3794



47.4827, 0.3089, 0.3733



47.4827, 0.2705, 0.2804



47.4827, 0.3144, 0.2897

# Sweetspot

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



47.4848, 0.3553, 0.3794



93.5796, 0.3251, 0.3442



33.9671, 0.3541, 0.3122



20.3262, 0.3275, 0.3471



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

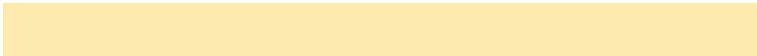


# Same Dimension

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



47.4848, 0.3553, 0.3794



82.7457, 0.3648, 0.3899



51.0020, 0.3407, 0.3960



11.3450, 0.3270, 0.3465



21.7022, 0.4673, 0.4672



1.0373, 0.4545, 0.4773



# Inverse Universe

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



33.6254, 0.2697, 0.2729



54.0144, 0.2599, 0.2595



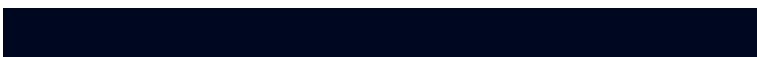
31.0241, 0.2794, 0.2574



10.1228, 0.2983, 0.3108



3.9260, 0.1576, 0.0873



0.2794, 0.1699, 0.1315



# Previews

## White Background



This preview shows how the Yxy color 47.4827, 0.3553, 0.3794 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 47.4827, 0.3553, 0.3794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

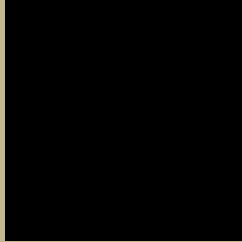
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.4827, 0.3553, 0.3794**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4827, 0.3553, 0.3794.



This preview shows how white text looks on a background with the Yxy color 47.4827, 0.3553, 0.3794.

# 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

47.4827, 0.3553, 0.3794

### Protanopia

47.4827, 0.3553, 0.3794

### Deuteranopia

47.3911, 0.3745, 0.3670



## Tritanopia

47.6234, 0.3222, 0.3118

# Trichromacy



## Original Color

47.4827, 0.3553, 0.3794

## Protanomaly

47.4827, 0.3553, 0.3794

## Deuteranomaly

47.5499, 0.3669, 0.3715

## Tritanomaly

47.4383, 0.3345, 0.3354

# Monochromacy



## Original Color

47.4827, 0.3553, 0.3794

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.8478, 0.3283, 0.3473

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4827, 0.3553, 0.3794 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, 183, 144)` looks like.

```
.text, #text, p{  
    color:rgb(195, 183, 144)  
}
```

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, 183, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 183, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4827, 0.3553, 0.3794 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, 183, 144) }
```

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

```
.border{ border-color:rgb(195, 183, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 183, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 183, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 183, 144);  
box-shadow:4px 4px 4px 4px rgb(195, 183,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4827, 0.3553, 0.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 183, 144) }
```

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

```
.background{ background-color: rgb(195,  
183, 144) }
```

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