

# Converting Colors

$Yxy(46.8945, 0.3425, 0.3472)$

Have a look what the booklet for  
Yxy(46.8945, 0.3425, 0.3472)  
contains.

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# Color

**Yxy(47.0626, 0.3430, 0.3481)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7B3A4
RGB	199, 179, 164
RGB Percent	78%, 70%, 64%
CMY	0.2196, 0.2980, 0.3568
CMYK	0.00, 0.10, 0.18, 0.22
HSL	26°, 24%, 71%
HSV	26°, 18%, 78%
XYZ	46.3731, 47.0626, 41.7628
YIQ	183.2700, 16.7350, -0.4250

# Conversions

## Conversions Part 2

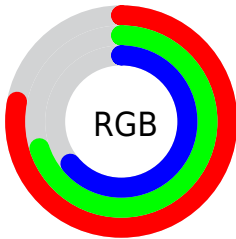
Format	Color
<b>R<sub>YB</sub></b>	199, 190, 164
Decimal	13087652
CIE <sub>Lab</sub>	74.23, 4.70, 10.25
CIE <sub>LCh</sub>	74, 11.281, 65.376
Yxy	47.0626, 0.3430, 0.3481
Android (android.graphics.Color)	4291277732 (0xFFC7B3A4)
YUV	183.2700, -9.5001, 13.7952
Hunter-Lab	68.6022, 0.6070, 11.9277

# Details

The Yxy color **47.0626, 0.3430, 0.3481** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2936, 0.2855, 0.3091**, and the grayscale version is **47.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7911, 0.3367, 0.3450**, and **22.1113, 0.3524, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **42.0305, 0.3639, 0.3597**, and if you desaturate by 10%, it is **52.5871, 0.3248, 0.3370**.

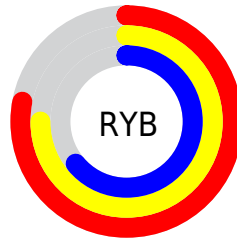
# Distribution



Red (78%)

Green (70%)

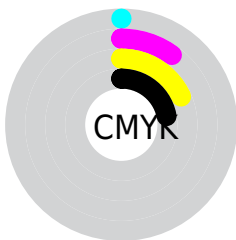
Blue (64%)



Red (78%)

Yellow (75%)

Blue (64%)

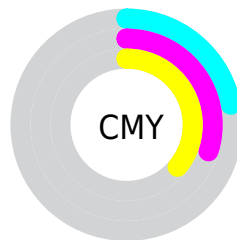


Cyan (0%)

Magenta (10%)

Yellow (18%)

Black (22%)



Cyan (22%)

Magenta (30%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0626, 0.3430, 0.3481 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 47.0626, 0.3430, 0.3481 by changing the saturation by 10% instead.




 47.0626, 0.3430,  
0.3481

 47.0626, 0.3430,  
0.3481


375.0643, 0.3278,  
0.3387

 33.0851, 0.3468,  
0.3504


 85.8071, 0.3375,  
0.3447

 22.1917, 0.3517,  
0.3533


 111.3428, 0.3354,  
0.3434

 13.9978, 0.3582,  
0.3571

141.5002, 0.3336,  
0.3424

 8.1191, 0.3673,  
0.3624

176.6635, 0.3321,  
0.3414

 4.1713, 0.3809,  
0.3699

217.2172, 0.3308,  
0.3406

 1.7698, 0.4033,  
0.3815

263.5456, 0.3297,

 0.4683, 0.5445,

0.3399

0.4555

316.0332, 0.3287,  
0.3393

0.0000, 0.0000,  
0.0000

47.0626, 0.3430,  
0.3481

47.0626, 0.3430,  
0.3481

42.0305, 0.3639,  
0.3597

52.5871, 0.3248,  
0.3370

37.4702, 0.3878,  
0.3713

58.6112, 0.3091,  
0.3265

33.3689, 0.4146,  
0.3824

65.1500, 0.2956,  
0.3168

29.7106, 0.4438,  
0.3921

72.2160, 0.2840,  
0.3079

26.4784, 0.4745,  
0.3992

79.2617, 0.2785,  
0.3085

■ 23.6539, 0.5050,  
0.4024

■ 86.0113, 0.2794,  
0.3207

■ 21.2169, 0.5330,  
0.4007

■ 90.8814, 0.2800,  
0.3289

■ 19.1427, 0.5568,  
0.3937

■ 18.6893, 0.5623,  
0.3917

# Harmonies

## Analogous

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



47.0626, 0.3425, 0.3359



47.0626, 0.3430, 0.3481



47.0626, 0.3352, 0.3556

# Triad

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



47.0626, 0.3430, 0.3481



47.0626, 0.2919, 0.3354



47.0626, 0.3034, 0.3037

# Complementary

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



47.0626, 0.3430, 0.3481



46.2936, 0.2855, 0.3091

# 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.



47.0626, 0.2903, 0.3030



47.0626, 0.3430, 0.3481



47.0626, 0.2839, 0.3209

# Square

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



47.0626, 0.3430, 0.3481



47.0626, 0.3056, 0.3484



47.0626, 0.2833, 0.3091



47.0626, 0.3193, 0.3107



# Rectangle

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



47.0626, 0.3430, 0.3481



47.0626, 0.3265, 0.3566



47.0626, 0.2833, 0.3091



47.0626, 0.2986, 0.3027

# Sweetspot

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



47.0647, 0.3430, 0.3481



94.6466, 0.3207, 0.3343



42.1717, 0.3275, 0.3034



20.1012, 0.3218, 0.3351



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

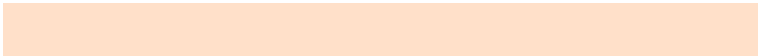


# Same Dimension

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



47.0647, 0.3430, 0.3481



79.0305, 0.3505, 0.3524



54.3372, 0.3395, 0.3688



11.3723, 0.3279, 0.3389



12.1849, 0.5599, 0.3936



0.7201, 0.5236, 0.4225

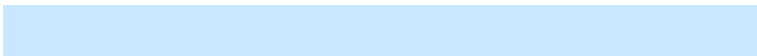


# Inverse Universe

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



46.2936, 0.2855, 0.3091



77.4354, 0.2796, 0.3044



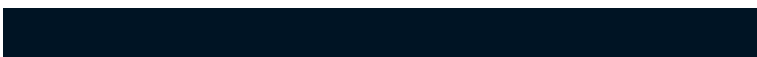
39.6241, 0.2843, 0.2858



11.2764, 0.2983, 0.3189



10.5197, 0.1843, 0.1836



0.6398, 0.1936, 0.2169



# Previews

## White Background



This preview shows how the Yxy color 47.0626, 0.3430, 0.3481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

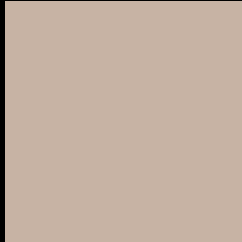
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0626, 0.3430, 0.3481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

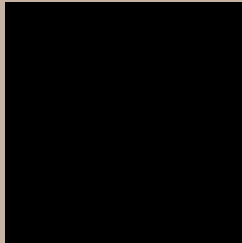
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.0626, 0.3430, 0.3481**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.0626, 0.3430, 0.3481.



This preview shows how white text looks on a background with the Yxy color 47.0626, 0.3430, 0.3481.

# 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

47.0626, 0.3430, 0.3481

### Protanopia

47.1562, 0.3326, 0.3498

### Deuteranopia

47.0327, 0.3501, 0.3427



## Tritanopia

46.8906, 0.3250, 0.3118

# Trichromacy



## Original Color

47.0626, 0.3430, 0.3481

## Protanomaly

47.1018, 0.3363, 0.3497

## Deuteranomaly

46.9983, 0.3472, 0.3441

## Tritanomaly

46.7635, 0.3316, 0.3241

# Monochromacy



## Original Color

47.0626, 0.3430, 0.3481

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.4093, 0.3235, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0626, 0.3430, 0.3481 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(199, 179, 164)` looks like.

```
.text, #text, p{  
    color:rgb(199, 179, 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(199, 179, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 179, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0626, 0.3430, 0.3481 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(199, 179, 164) }
```

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

```
.border{ border-color:rgb(199, 179, 164) }
```

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

Here you see how a box with a 4 pixel rgb(199, 179, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 179, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 179, 164);  
box-shadow:4px 4px 4px 4px rgb(199, 179,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0626, 0.3430, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 179, 164) }
```

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

```
.background{ background-color: rgb(199,  
179, 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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