

# Converting Colors

$Y_{xy}(47.2621, 0.3227, 0.3248)$

Have a look what the booklet for  
Yxy(47.2621, 0.3227, 0.3248)  
contains.

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# Color

**Yxy(47.1284, 0.3225, 0.3240)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2B3B7
RGB	194, 179, 183
RGB Percent	76%, 70%, 72%
CMY	0.2393, 0.2980, 0.2824
CMYK	0.00, 0.08, 0.06, 0.24
HSL	344°, 11%, 73%
HSV	344°, 8%, 76%
XYZ	46.9102, 47.1284, 51.4194
YIQ	183.9410, 7.6560, 4.4240

# Conversions

## Conversions Part 2

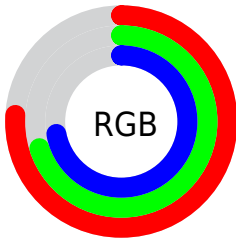
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 179, 183
Decimal	12759991
CIELab	74.27, 6.03, -0.11
CIELCh	74, 6.034, 358.996
Yxy	47.1284, 0.3225, 0.3240
Android (android.graphics.Color)	4290950071 (0xFFC2B3B7)
YUV	183.9410, -0.4639, 8.8217
Hunter-Lab	68.6501, 1.8354, 3.6465

# Details

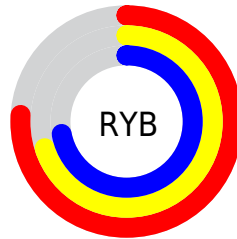
The Yxy color **47.1284, 0.3225, 0.3240** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.8763, 0.3038, 0.3341**, and the grayscale version is **47.8973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1579, 0.3210, 0.3251**, and **22.1089, 0.3250, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **39.3302, 0.3377, 0.3171**, and if you desaturate by 10%, it is **56.0845, 0.3101, 0.3304**.

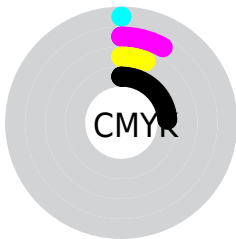
# Distribution



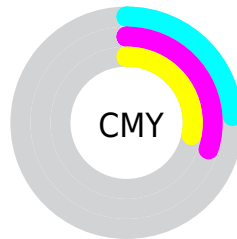
- Red (76%)
- Green (70%)
- Blue (72%)



- Red (76%)
- Yellow (70%)
- Blue (72%)



- Cyan (0%)
- Magenta (8%)
- Yellow (6%)
- Black (24%)



- Cyan (24%)
- Magenta (30%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1284, 0.3225, 0.3240 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 47.1284, 0.3225, 0.3240 by changing the saturation by 10% instead.





 47.1284, 0.3225,  
0.3240

 47.1284, 0.3225,  
0.3240


375.3268, 0.3176,  
0.3265

 33.1372, 0.3237,  
0.3234


 85.9053, 0.3207,  
0.3249

 22.2315, 0.3253,  
0.3226


111.4597, 0.3201,  
0.3253

 14.0271, 0.3274,  
0.3215


141.6373, 0.3195,  
0.3255

 8.1395, 0.3303,  
0.3200

176.8224, 0.3190,  
0.3258

 4.1844, 0.3346,  
0.3178

217.3996, 0.3186,  
0.3260

 1.7772, 0.3419,  
0.3141

263.7531, 0.3182,

 0.4729, 0.3749,

0.3262

0.2971

316.2674, 0.3179,  
0.3264

0.0000, 0.0000,  
0.0000

47.1284, 0.3225,  
0.3240

47.1284, 0.3225,  
0.3240

39.3302, 0.3377,  
0.3171

56.0845, 0.3101,  
0.3304

32.6365, 0.3564,  
0.3100

66.2368, 0.3000,  
0.3364

26.9990, 0.3792,  
0.3028

77.6294, 0.2918,  
0.3418

22.3632, 0.4066,  
0.2961

89.2746, 0.2849,  
0.3450

18.6700, 0.4386,  
0.2907

90.1541, 0.2777,  
0.3298

■ 15.8537, 0.4746,  
0.2874

■ 90.2063, 0.2773,  
0.3289

■ 13.8403, 0.5128,  
0.2875

■ 12.5433, 0.5498,  
0.2917

■ 11.8369, 0.5820,  
0.2998

# Harmonies

## Analogous

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



47.1284, 0.3145, 0.3180



47.1284, 0.3225, 0.3240



47.1284, 0.3279, 0.3313

# Triad

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



47.1284, 0.3225, 0.3240



47.1284, 0.3192, 0.3435



47.1284, 0.2966, 0.3196

# Complementary

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



47.1284, 0.3225, 0.3240



51.8763, 0.3038, 0.3341

# 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.



47.1284, 0.2978, 0.3264



47.1284, 0.3225, 0.3240



47.1284, 0.3108, 0.3404

# Square

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



47.1284, 0.3225, 0.3240



47.1284, 0.3260, 0.3427



47.1284, 0.3030, 0.3341



47.1284, 0.2996, 0.3154



# Rectangle

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



47.1284, 0.3225, 0.3240



47.1284, 0.3292, 0.3360



47.1284, 0.3030, 0.3341



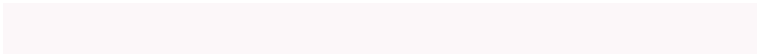
47.1284, 0.2965, 0.3216

# Sweetspot

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



47.1305, 0.3225, 0.3240



94.3702, 0.3151, 0.3277



47.0850, 0.3102, 0.3102



20.7019, 0.3150, 0.3278



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.



47.1305, 0.3225, 0.3240



83.2656, 0.3245, 0.3230



48.3846, 0.3254, 0.3335



10.1209, 0.3248, 0.3229



7.7131, 0.5853, 0.2998



0.3451, 0.5196, 0.2636



# Inverse Universe

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



47.1305, 0.3225, 0.3240



83.2656, 0.3245, 0.3230



50.5169, 0.3009, 0.3245



10.1209, 0.3248, 0.3229



7.7131, 0.5853, 0.2998



0.3451, 0.5196, 0.2636



# Previews

## White Background



This preview shows how the Yxy color 47.1284, 0.3225, 0.3240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

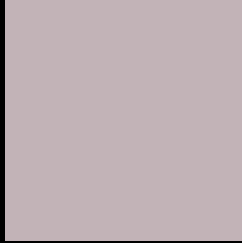
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.1284, 0.3225, 0.3240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

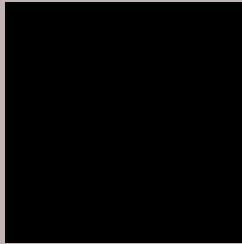
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.1284, 0.3225, 0.3240**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.1284, 0.3225, 0.3240.



This preview shows how white text looks on a background with the Yxy color 47.1284, 0.3225, 0.3240.

# 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

47.1284, 0.3225, 0.3240

### Protanopia

47.2730, 0.3129, 0.3251

### Deuteranopia

47.1425, 0.3280, 0.3216



## Tritanopia

47.2487, 0.3161, 0.3116

# Trichromacy



## Original Color

47.1284, 0.3225, 0.3240

## Protanomaly

47.1998, 0.3163, 0.3252

## Deuteranomaly

47.2655, 0.3261, 0.3228

## Tritanomaly

47.1170, 0.3186, 0.3153

# Monochromacy



## Original Color

47.1284, 0.3225, 0.3240

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.6080, 0.3162, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.1284, 0.3225, 0.3240 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(194, 179, 183)` looks like.

```
.text, #text, p{  
    color:rgb(194, 179, 183)  
}
```

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(194, 179, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 179, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 47.1284, 0.3225, 0.3240 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(194, 179, 183) }
```

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

```
.border{ border-color:rgb(194, 179, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 179, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 179, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 179, 183);  
box-shadow:4px 4px 4px 4px rgb(194, 179,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.1284, 0.3225, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 179, 183) }
```

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

```
.background{ background-color: rgb(194,  
179, 183) }
```

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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