

# Converting Colors

$Y_{xy}(40.7640, 0.3337, 0.3080)$

Have a look what the booklet for  
Yxy(40.7640, 0.3337, 0.3080)  
contains.

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# Color

**Yxy(40.8462, 0.3337, 0.3075)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7A1B2
RGB	199, 161, 178
RGB Percent	78%, 63%, 70%
CMY	0.2197, 0.3686, 0.3020
CMYK	0.00, 0.19, 0.11, 0.22
HSL	333°, 25%, 71%
HSV	333°, 19%, 78%
XYZ	44.3264, 40.8462, 47.6605
YIQ	174.3000, 17.1910, 13.3430

# Conversions

## Conversions Part 2

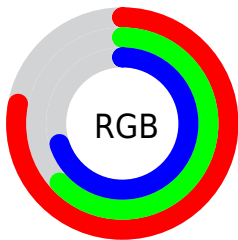
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	199, 161, 178
Decimal	13083058
CIE Lab	70.07, 16.76, -3.46
CIE LCh	70, 17.115, 348.329
Yxy	40.8462, 0.3337, 0.3075
Android (android.graphics.Color)	4291273138 (0xFFC7A1B2)
YUV	174.3000, 1.8241, 21.6619
Hunter-Lab	63.9110, 11.9570, 0.5232

# Details

The Yxy color **40.8462, 0.3337, 0.3075** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.7885, 0.2957, 0.3516**, and the grayscale version is **42.4730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3122, 0.3288, 0.3111**, and **18.4377, 0.3409, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **34.0132, 0.3481, 0.2956**, and if you desaturate by 10%, it is **48.8249, 0.3217, 0.3191**.

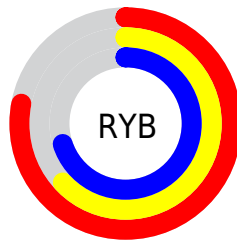
# Distribution



Red (78%)

Green (63%)

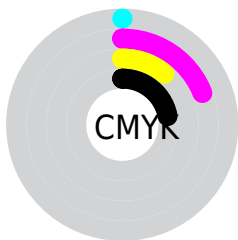
Blue (70%)



Red (78%)

Yellow (63%)

Blue (70%)

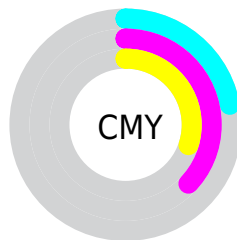


Cyan (0%)

Magenta (19%)

Yellow (11%)

Black (22%)



Cyan (22%)

Magenta (37%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8462, 0.3337, 0.3075 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 40.8462, 0.3337, 0.3075 by changing the saturation by 10% instead.




 40.8462, 0.3337,  
0.3075


 40.8462, 0.3337,  
0.3075


349.6774, 0.3231,  
0.3183

 28.1989, 0.3364,  
0.3048


 76.4504, 0.3298,  
0.3115

 18.4757, 0.3399,  
0.3012


 100.1760, 0.3283,  
0.3129

 11.2920, 0.3446,  
0.2965


128.3633, 0.3271,  
0.3142

 6.2636, 0.3514,  
0.2899

161.3966, 0.3261,  
0.3153

 3.0060, 0.3616,  
0.2799

199.6602, 0.3252,  
0.3162

 1.1349, 0.3793,  
0.2630

243.5387, 0.3244,

 0.0075, 0.6176,

0.3170

0.0112

293.4162, 0.3237,  
0.3177

0.0000, 0.0000,  
0.0000

40.8462, 0.3337,  
0.3075

40.8462, 0.3337,  
0.3075

34.0132, 0.3481,  
0.2956

48.8249, 0.3217,  
0.3191

28.2673, 0.3653,  
0.2836

57.9933, 0.3119,  
0.3300

23.5530, 0.3856,  
0.2724

68.3999, 0.3038,  
0.3402

19.8079, 0.4089,  
0.2628

80.0887, 0.2971,  
0.3495

16.9624, 0.4348,  
0.2560

89.5402, 0.2914,  
0.3525

■ 14.9377, 0.4625,  
0.2532

■ 90.1886, 0.2856,  
0.3406

■ 13.6411, 0.4904,  
0.2556

■ 90.8769, 0.2800,  
0.3289

■ 12.9158, 0.5170,  
0.2628

■ 90.8777, 0.2800,  
0.3289

■ 12.8585, 0.5194,  
0.2635

# Harmonies

## Analogous

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



40.8462, 0.3084, 0.2932



40.8462, 0.3337, 0.3075



40.8462, 0.3538, 0.3273

# Triad

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



40.8462, 0.3337, 0.3075



40.8462, 0.3396, 0.3733



40.8462, 0.2655, 0.3067

# Complementary

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



40.8462, 0.3337, 0.3075



51.7885, 0.2957, 0.3516

# 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.



40.8462, 0.2731, 0.3287



40.8462, 0.3337, 0.3075



40.8462, 0.3154, 0.3686

# Square

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



40.8462, 0.3337, 0.3075



40.8462, 0.3570, 0.3653



40.8462, 0.2911, 0.3519



40.8462, 0.2698, 0.2920



# Rectangle

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



40.8462, 0.3337, 0.3075



40.8462, 0.3610, 0.3414



40.8462, 0.2911, 0.3519



40.8462, 0.2667, 0.3134

# Sweetspot

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



40.8480, 0.3337, 0.3075



90.0908, 0.3186, 0.3224



39.5503, 0.2995, 0.2799



19.0624, 0.3193, 0.3217



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.



40.8480, 0.3337, 0.3075



66.2028, 0.3395, 0.3024



40.8764, 0.3493, 0.3316



10.7145, 0.3221, 0.3187



8.2884, 0.5161, 0.2617



0.4070, 0.4652, 0.2336



# Inverse Universe

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



40.8480, 0.3337, 0.3075



66.2028, 0.3395, 0.3024



51.6656, 0.2843, 0.3264



10.7145, 0.3221, 0.3187



8.2884, 0.5161, 0.2617

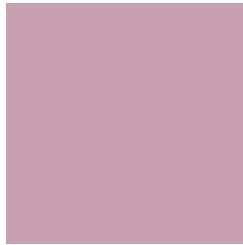


0.4070, 0.4652, 0.2336



# Previews

## White Background



This preview shows how the Yxy color 40.8462, 0.3337, 0.3075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

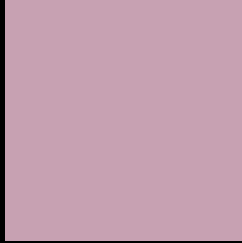
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.8462, 0.3337, 0.3075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

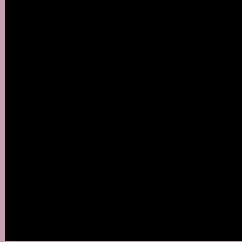
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.8462, 0.3337, 0.3075**

## Background



This preview shows how black text looks on a background with the Yxy color 40.8462, 0.3337, 0.3075.



This preview shows how white text looks on a background with the Yxy color 40.8462, 0.3337, 0.3075.

# 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

40.8462, 0.3337, 0.3075

### Protanopia

40.8681, 0.3021, 0.3100

### Deuteranopia

40.8859, 0.3217, 0.3145



## Tritanopia

40.9024, 0.3363, 0.3137

# Trichromacy



## Original Color

40.8462, 0.3337, 0.3075

## Protanomaly

40.8386, 0.3127, 0.3091

## Deuteranomaly

40.8016, 0.3266, 0.3121

## Tritanomaly

40.9416, 0.3354, 0.3125

# Monochromacy



## Original Color

40.8462, 0.3337, 0.3075

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.5384, 0.3204, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8462, 0.3337, 0.3075 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, 161, 178)` looks like.

```
.text, #text, p{  
    color:rgb(199, 161, 178)  
}
```

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, 161, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 161, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8462, 0.3337, 0.3075 is called "border". The border property can be set on classes, ids or directly on the HTML element.

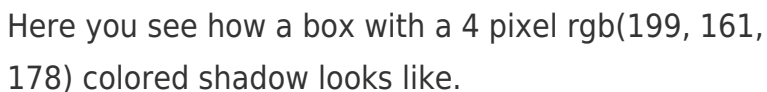
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 161, 178) }
```

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

```
.border{ border-color:rgb(199, 161, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 161, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 161, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 161, 178); box-shadow:4px 4px 4px 4px rgb(199, 161, 178) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8462, 0.3337, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 161, 178) }
```

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

```
.background{ background-color: rgb(199,  
161, 178) }
```

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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