

# Converting Colors

$Yxy(45.1867, 0.3386, 0.3282)$

Have a look what the booklet for  
Yxy(45.1867, 0.3386, 0.3282)  
contains.

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# Color

**Yxy(45.0787, 0.3393, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAACAD
RGB	202, 172, 173
RGB Percent	79%, 67%, 68%
CMY	0.2077, 0.3255, 0.3215
CMYK	0.00, 0.15, 0.14, 0.21
HSL	358°, 22%, 73%
HSV	358°, 15%, 79%
XYZ	46.6602, 45.0787, 45.7800
YIQ	181.0840, 17.5590, 6.6710

# Conversions

## Conversions Part 2

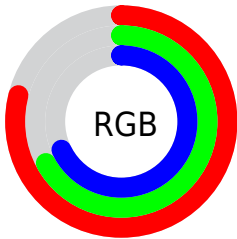
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">202, 172, 173</a>
Decimal	<a href="#">13282477</a>
CIELab	<a href="#">72.94, 11.05, 3.52</a>
CIELCh	<a href="#">73, 11.601, 17.663</a>
Yxy	<a href="#">45.0787, 0.3393, 0.3278</a>
Android (android.graphics.Color)	<a href="#">4291472557 (0xFFCAACAD)</a>
YUV	<a href="#">181.0840, -3.9854, 18.3433</a>
Hunter-Lab	<a href="#">67.1407, 6.5544, 6.5714</a>

# Details

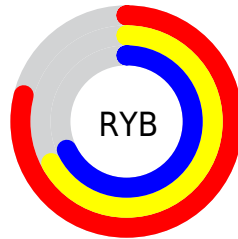
The Yxy color  $45.0787, 0.3393, 0.3278$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $55.2460, 0.2910, 0.3302$ , and the grayscale version is  $46.2740, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.7996, 0.3317, 0.3281$ , and  $21.1093, 0.3471, 0.3274$  is the 20% darker color. If you saturate the color by 10%, you get  $37.2652, 0.3628, 0.3270$ , and if you desaturate by 10%, it is  $54.1757, 0.3205, 0.3286$ .

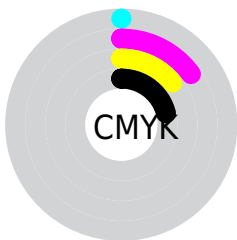
# Distribution



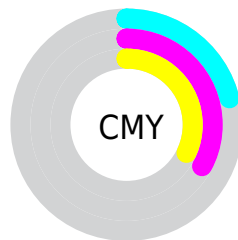
- Red (79%)
- Green (67%)
- Blue (68%)



- Red (79%)
- Yellow (67%)
- Blue (68%)



- Cyan (0%)
- Magenta (15%)
- Yellow (14%)
- Black (21%)




- Cyan (21%)
- Magenta (33%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0787, 0.3393, 0.3278 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 45.0787, 0.3393, 0.3278 by changing the saturation by 10% instead.





 45.0787, 0.3393,  
0.3278

 45.0787, 0.3393,  
0.3278


367.0922, 0.3259,  
0.3285

 31.5194, 0.3427,  
0.3276


 82.8385, 0.3344,  
0.3281

 20.9947, 0.3471,  
0.3273


107.8078, 0.3326,  
0.3282

 13.1201, 0.3530,  
0.3268


137.3492, 0.3310,  
0.3283

 7.5113, 0.3613,  
0.3262

171.8472, 0.3297,  
0.3283

 3.7839, 0.3740,  
0.3250

211.6861, 0.3285,  
0.3284

 1.5534, 0.3955,  
0.3225

257.2503, 0.3275,

 0.3259, 0.5715,

0.3284

0.3213

308.9242, 0.3267,  
0.3285

0.0000, 0.0000,  
0.0000

45.0787, 0.3393,  
0.3278

45.0787, 0.3393,  
0.3278

37.2652, 0.3628,  
0.3270

54.1757, 0.3205,  
0.3286

30.6718, 0.3919,  
0.3261

64.6039, 0.3054,  
0.3294

25.2388, 0.4274,  
0.3254

76.4161, 0.2933,  
0.3301

20.8989, 0.4692,  
0.3248

89.6602, 0.2835,  
0.3307

17.5783, 0.5154,  
0.3247

91.3017, 0.2816,  
0.3289

■ 15.1936, 0.5619,  
0.3252

■ 13.6487, 0.6018,  
0.3263

■ 12.8266, 0.6285,  
0.3280

■ 12.5767, 0.6369,  
0.3282

# Harmonies

## Analogous

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



45.0787, 0.3262, 0.3145



45.0787, 0.3393, 0.3278



45.0787, 0.3451, 0.3418

# Triad

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



45.0787, 0.3393, 0.3278



45.0787, 0.3151, 0.3548



45.0787, 0.2841, 0.3048

# Complementary

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



45.0787, 0.3393, 0.3278



55.2460, 0.2910, 0.3302

# 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.



45.0787, 0.2814, 0.3149



45.0787, 0.3393, 0.3278



45.0787, 0.2990, 0.3442

# Square

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



45.0787, 0.3393, 0.3278



45.0787, 0.3308, 0.3579



45.0787, 0.2867, 0.3294



45.0787, 0.2944, 0.3013



# Rectangle

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



45.0787, 0.3393, 0.3278



45.0787, 0.3440, 0.3497



45.0787, 0.2867, 0.3294



45.0787, 0.2823, 0.3075

# Sweetspot

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



45.0807, 0.3393, 0.3278



93.0453, 0.3191, 0.3287



46.1207, 0.3131, 0.2925



19.6445, 0.3204, 0.3286



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.



45.0807, 0.3393, 0.3278



71.5958, 0.3467, 0.3275



50.4523, 0.3377, 0.3458



11.2197, 0.3285, 0.3283



8.0923, 0.6360, 0.3277



0.4197, 0.6224, 0.3202



# Inverse Universe

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



45.0807, 0.3393, 0.3278



71.5958, 0.3467, 0.3275



49.2230, 0.2897, 0.3116



11.2197, 0.3285, 0.3283



8.0923, 0.6360, 0.3277



0.4197, 0.6224, 0.3202



# Previews

## White Background



This preview shows how the Yxy color 45.0787, 0.3393, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

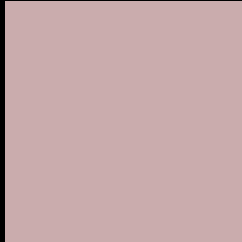
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0787, 0.3393, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

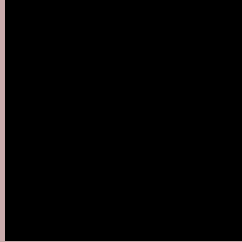
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.0787, 0.3393, 0.3278**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0787, 0.3393, 0.3278.



This preview shows how white text looks on a background with the Yxy color 45.0787, 0.3393, 0.3278.

# 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

45.0787, 0.3393, 0.3278

### Protanopia

45.0824, 0.3179, 0.3303

### Deuteranopia

45.0464, 0.3363, 0.3291



## Tritanopia

44.9067, 0.3308, 0.3117

# Trichromacy



## Original Color

45.0787, 0.3393, 0.3278

## Protanomaly

45.1324, 0.3251, 0.3290

## Deuteranomaly

45.1836, 0.3372, 0.3291

## Tritanomaly

45.1176, 0.3342, 0.3179

# Monochromacy



## Original Color

45.0787, 0.3393, 0.3278

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.8740, 0.3223, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0787, 0.3393, 0.3278 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(202, 172, 173)` looks like.

```
.text, #text, p{  
    color:rgb(202, 172, 173)  
}
```

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(202, 172, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 172, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0787, 0.3393, 0.3278 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(202, 172, 173) }
```

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

```
.border{ border-color:rgb(202, 172, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 172, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 172, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 172, 173);  
box-shadow:4px 4px 4px 4px rgb(202, 172,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0787, 0.3393, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 172, 173) }
```

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

```
.background{ background-color: rgb(202,  
172, 173) }
```

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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