

# Converting Colors

$Y_{xy}(54.2253, 0.3314, 0.3238)$

Have a look what the booklet for  
Yxy(54.2253, 0.3314, 0.3238)  
contains.

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# Color

**Yxy(54.2638, 0.3314, 0.3232)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7BCC1
RGB	215, 188, 193
RGB Percent	84%, 74%, 76%
CMY	0.1567, 0.2628, 0.2431
CMYK	0.00, 0.13, 0.10, 0.16
HSL	349°, 25%, 79%
HSV	349°, 13%, 84%
XYZ	55.6405, 54.2638, 57.9911
YIQ	196.6430, 14.4870, 7.2790

# Conversions

## Conversions Part 2

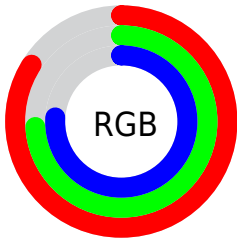
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 188, 193
Decimal	14138561
CIE <sub>Lab</sub>	78.62, 10.44, 1.01
CIE <sub>LCh</sub>	79, 10.492, 5.536
Yxy	54.2638, 0.3314, 0.3232
Android (android.graphics.Color)	4292328641 (0xFFD7BCC1)
YUV	196.6430, -1.7960, 16.0991
Hunter-Lab	73.6640, 5.9143, 4.8894

# Details

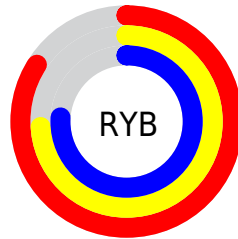
The Yxy color **54.2638, 0.3314, 0.3232** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.9646, 0.2968, 0.3349**, and the grayscale version is **55.6162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8009, 0.3168, 0.3242**, and **26.6950, 0.3357, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **45.0171, 0.3503, 0.3183**, and if you desaturate by 10%, it is **64.9768, 0.3161, 0.3279**.

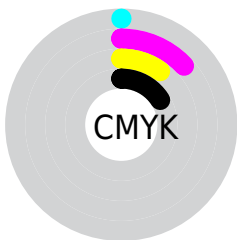
# Distribution



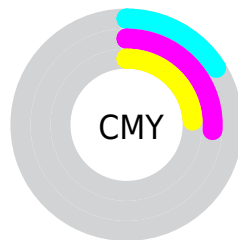
- Red (84%)
- Green (74%)
- Blue (76%)



- Red (84%)
- Yellow (74%)
- Blue (76%)



- Cyan (0%)
- Magenta (13%)
- Yellow (10%)
- Black (16%)




- Cyan (16%)
- Magenta (26%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2638, 0.3314, 0.3232 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 54.2638, 0.3314, 0.3232 by changing the saturation by 10% instead.





 54.2638, 0.3314,  
0.3232

 54.2638, 0.3314,  
0.3232


403.1152, 0.3223,  
0.3261

 38.8126, 0.3336,  
0.3225


 96.4615, 0.3281,  
0.3242

 26.6140, 0.3364,  
0.3216


123.9767, 0.3269,  
0.3246

 17.2835, 0.3401,  
0.3204


156.2821, 0.3258,  
0.3250

 10.4368, 0.3452,  
0.3188

193.7621, 0.3249,  
0.3252

 5.6895, 0.3525,  
0.3164

236.8010, 0.3241,  
0.3255

 2.6572, 0.3640,  
0.3126

285.7832, 0.3234,

 0.9555, 0.3849,

0.3257

0.3056

341.0931, 0.3228,  
0.3259

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.2638, 0.3314,  
0.3232

54.2638, 0.3314,  
0.3232

45.0171, 0.3503,  
0.3183

64.9768, 0.3161,  
0.3279

37.1659, 0.3736,  
0.3132

77.2086, 0.3038,  
0.3322

30.6444, 0.4020,  
0.3084

91.0179, 0.2938,  
0.3361

25.3786, 0.4358,  
0.3042

93.1926, 0.2889,  
0.3289

■ 21.2873, 0.4746,  
0.3015

■ 18.2796, 0.5164,  
0.3011

■ 16.2513, 0.5576,  
0.3038

■ 15.0773, 0.5929,  
0.3098

■ 14.6043, 0.6133,  
0.3152

# Harmonies

## Analogous

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



54.2638, 0.3187, 0.3128



54.2638, 0.3314, 0.3232



54.2638, 0.3391, 0.3353

# Triad

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



54.2638, 0.3314, 0.3232



54.2638, 0.3204, 0.3527



54.2638, 0.2866, 0.3113

# Complementary

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



54.2638, 0.3314, 0.3232



63.9646, 0.2968, 0.3349

# 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.



54.2638, 0.2870, 0.3218



54.2638, 0.3314, 0.3232



54.2638, 0.3064, 0.3461

# Square

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



54.2638, 0.3314, 0.3232



54.2638, 0.3326, 0.3526



54.2638, 0.2942, 0.3346



54.2638, 0.2929, 0.3059



# Rectangle

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



54.2638, 0.3314, 0.3232



54.2638, 0.3403, 0.3428



54.2638, 0.2942, 0.3346



54.2638, 0.2859, 0.3144

# Sweetspot

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



54.2662, 0.3314, 0.3232



93.1400, 0.3182, 0.3272



54.5187, 0.3098, 0.2978



19.6684, 0.3193, 0.3269



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.



54.2662, 0.3314, 0.3232



76.1294, 0.3359, 0.3220



57.6108, 0.3342, 0.3385



12.4580, 0.3262, 0.3247



8.7433, 0.6101, 0.3135



0.5388, 0.5634, 0.2877



# Inverse Universe

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



54.2662, 0.3314, 0.3232



76.1294, 0.3359, 0.3220



60.1872, 0.2934, 0.3193



12.4580, 0.3262, 0.3247



8.7433, 0.6101, 0.3135

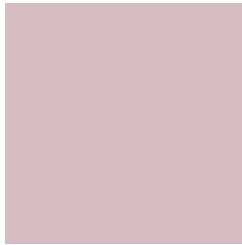


0.5388, 0.5634, 0.2877



# Previews

## White Background



This preview shows how the Yxy color 54.2638, 0.3314, 0.3232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

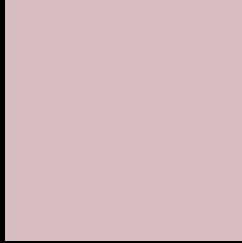
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.2638, 0.3314, 0.3232 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 54.2638, 0.3314, 0.3232**

## Background



This preview shows how black text looks on a background with the Yxy color 54.2638, 0.3314, 0.3232.



This preview shows how white text looks on a background with the Yxy color 54.2638, 0.3314, 0.3232.

# 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

54.2638, 0.3314, 0.3232

### Protanopia

54.5749, 0.3144, 0.3266

### Deuteranopia

54.1128, 0.3305, 0.3232



## Tritanopia

54.3566, 0.3259, 0.3128

# Trichromacy



## Original Color

54.2638, 0.3314, 0.3232

## Protanomaly

54.4768, 0.3202, 0.3254

## Deuteranomaly

54.1128, 0.3305, 0.3232

## Tritanomaly

54.2168, 0.3283, 0.3163

# Monochromacy



## Original Color

54.2638, 0.3314, 0.3232

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

55.4065, 0.3193, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2638, 0.3314, 0.3232 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(215, 188, 193)` looks like.

```
.text, #text, p{  
    color:rgb(215, 188, 193)  
}
```

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(215, 188, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 188, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2638, 0.3314, 0.3232 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(215, 188, 193) }
```

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

```
.border{ border-color:rgb(215, 188, 193) }
```

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

Here you see how a box with a 4 pixel rgb(215, 188, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 188, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 188, 193);  
box-shadow:4px 4px 4px 4px rgb(215, 188,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2638, 0.3314, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 188, 193) }
```

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

```
.background{ background-color: rgb(215,  
188, 193) }
```

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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