

# Converting Colors

$Y_{xy}(45.2750, 0.3124, 0.3233)$

Have a look what the booklet for  
Yxy(45.2750, 0.3124, 0.3233)  
contains.

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# Color

**Yxy(45.2048, 0.3122, 0.3225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6B2B7
RGB	182, 178, 183
RGB Percent	71%, 70%, 72%
CMY	0.2862, 0.3020, 0.2825
CMYK	0.01, 0.03, 0.00, 0.28
HSL	289°, 3%, 71%
HSV	289°, 3%, 72%
XYZ	43.7610, 45.2048, 51.2041
YIQ	179.7660, 0.7790, 2.4030

# Conversions

## Conversions Part 2

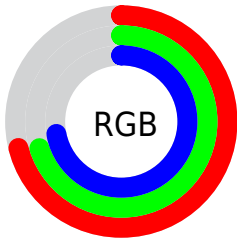
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 178, 183
Decimal	11973303
CIELab	73.03, 2.35, -2.03
CIELCh	73, 3.111, 319.145
Yxy	45.2048, 0.3122, 0.3225
Android (android.graphics.Color)	4290163383 (0xFFB6B2B7)
YUV	179.7660, 1.5944, 1.9592
Hunter-Lab	67.2345, -1.4798, 1.9104

# Details

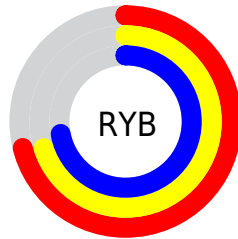
The Yxy color `45.2048, 0.3122, 0.3225` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `46.6484, 0.3132, 0.3356`, and the grayscale version is `45.5027, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.2548, 0.3123, 0.3239`, and `20.9461, 0.3119, 0.3200` is the 20% darker color. If you saturate the color by 10%, you get `37.9847, 0.3100, 0.2978`, and if you desaturate by 10%, it is `53.4106, 0.3139, 0.3458`.

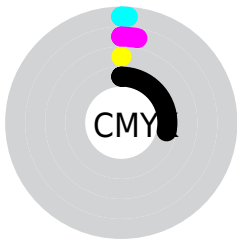
# Distribution



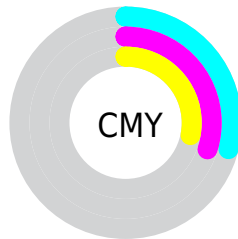
- Red (71%)
- Green (70%)
- Blue (72%)



- Red (71%)
- Yellow (70%)
- Blue (72%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (29%)
- Magenta (30%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2048, 0.3122, 0.3225 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 45.2048, 0.3122, 0.3225 by changing the saturation by 10% instead.



■ 45.2048, 0.3122,  
0.3225

■ 45.2048, 0.3122,  
0.3225

367.6024, 0.3125,  
0.3258

■ 31.6188, 0.3121,  
0.3217

■ 83.0277, 0.3123,  
0.3237

■ 21.0705, 0.3120,  
0.3206

108.0333, 0.3123,  
0.3241

■ 13.1755, 0.3119,  
0.3192

137.6142, 0.3124,  
0.3245

■ 7.5495, 0.3117,  
0.3173

172.1548, 0.3124,  
0.3248

■ 3.8081, 0.3115,  
0.3143

212.0396, 0.3124,  
0.3251

■ 1.5668, 0.3110,  
0.3094

257.6528, 0.3124,

■ 0.3351, 0.3086,

0.3254

0.2751

309.3789, 0.3125,  
0.3256

0.0000, 0.0000,  
0.0000

45.2048, 0.3122,  
0.3225

45.2048, 0.3122,  
0.3225

37.9847, 0.3100,  
0.2978

53.4106, 0.3139,  
0.3458

31.7062, 0.3073,  
0.2721

62.6324, 0.3153,  
0.3675

26.3305, 0.3042,  
0.2460

72.9063, 0.3163,  
0.3875

21.8139, 0.3004,  
0.2204

84.2651, 0.3171,  
0.4057

18.1089, 0.2963,  
0.1962

87.1458, 0.3189,  
0.4088

■ 15.1634, 0.2917,  
0.1745

■ 87.6304, 0.3211,  
0.4083

■ 12.9194, 0.2868,  
0.1563

■ 88.1260, 0.3234,  
0.4078

■ 11.3101, 0.2817,  
0.1423

■ 88.6327, 0.3256,  
0.4072

■ 10.2557, 0.2767,  
0.1327

■ 89.1506, 0.3278,  
0.4067

# Harmonies

## Analogous

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



45.2048, 0.3080, 0.3215



45.2048, 0.3122, 0.3225



45.2048, 0.3166, 0.3252

# Triad

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



45.2048, 0.3122, 0.3225



45.2048, 0.3204, 0.3356



45.2048, 0.3056, 0.3290

# Complementary

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



45.2048, 0.3122, 0.3225



46.6484, 0.3132, 0.3356

# 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.



45.2048, 0.3089, 0.3328



45.2048, 0.3122, 0.3225



45.2048, 0.3174, 0.3367

# Square

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



45.2048, 0.3122, 0.3225



45.2048, 0.3213, 0.3328



45.2048, 0.3132, 0.3357



45.2048, 0.3042, 0.3252



# Rectangle

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



45.2048, 0.3122, 0.3225



45.2048, 0.3190, 0.3277



45.2048, 0.3132, 0.3357



45.2048, 0.3065, 0.3303

# Sweetspot

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



45.2067, 0.3122, 0.3225



83.3656, 0.3125, 0.3266



45.1209, 0.3087, 0.3237



18.4293, 0.3125, 0.3267



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



45.2067, 0.3122, 0.3225



80.5340, 0.3121, 0.3217



45.2609, 0.3142, 0.3245



9.9989, 0.3120, 0.3200



6.8110, 0.2737, 0.1281



0.2627, 0.2866, 0.1352



# Inverse Universe

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



45.1575, 0.3163, 0.3278



80.4355, 0.3167, 0.3276



46.5960, 0.3112, 0.3336



9.9839, 0.3177, 0.3273



7.1152, 0.6071, 0.3118



0.2593, 0.5388, 0.2742



# Previews

## White Background



This preview shows how the Yxy color 45.2048, 0.3122, 0.3225 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 45.2048, 0.3122, 0.3225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

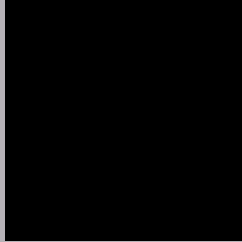
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

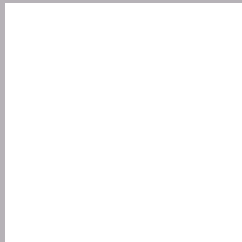
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2048, 0.3122, 0.3225**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2048, 0.3122, 0.3225.



This preview shows how white text looks on a background with the Yxy color 45.2048, 0.3122, 0.3225.

# 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

45.2048, 0.3122, 0.3225

### Protanopia

45.0834, 0.3113, 0.3225

### Deuteranopia

45.2021, 0.3222, 0.3164



## Tritanopia

45.2731, 0.3067, 0.3109

# Trichromacy



## Original Color

45.2048, 0.3122, 0.3225

## Protanomaly

45.0834, 0.3113, 0.3225

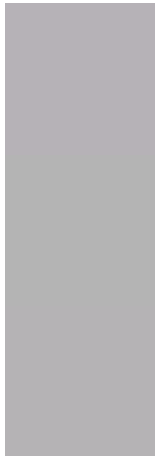
## Deuteranomaly

45.0678, 0.3185, 0.3175

## Tritanomaly

45.1424, 0.3091, 0.3147

# Monochromacy



## Original Color

45.2048, 0.3122, 0.3225

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.4002, 0.3128, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2048, 0.3122, 0.3225 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(182, 178, 183)` looks like.

```
.text, #text, p{  
    color:rgb(182, 178, 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(182, 178, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 178, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2048, 0.3122, 0.3225 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(182, 178, 183) }
```

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

```
.border{ border-color:rgb(182, 178, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 178, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 178, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 178, 183);  
box-shadow:4px 4px 4px 4px rgb(182, 178,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2048, 0.3122, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 178, 183) }
```

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

```
.background{ background-color: rgb(182,  
178, 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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