

# Converting Colors

$Y_{xy}(25.0790, 0.3214, 0.3064)$

Have a look what the booklet for  
Yxy(25.0790, 0.3214, 0.3064)  
contains.

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# Color

**Yxy(24.9833, 0.3207, 0.3052)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	988392
RGB	152, 131, 146
RGB Percent	60%, 51%, 57%
CMY	0.4039, 0.4863, 0.4275
CMYK	0.00, 0.14, 0.04, 0.40
HSL	317°, 9%, 55%
HSV	317°, 14%, 60%
XYZ	26.2521, 24.9833, 30.6234
YIQ	138.9890, 7.7010, 9.1170

# Conversions

## Conversions Part 2

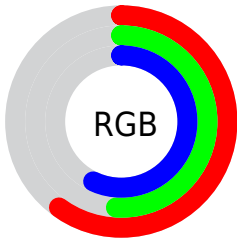
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 131, 146
Decimal	9995154
CIE Lab	57.06, 10.71, -5.07
CIE LCh	57, 11.851, 334.655
Yxy	24.9833, 0.3207, 0.3052
Android (android.graphics.Color)	4288185234 (0xFF988392)
YUV	138.9890, 3.4564, 11.4106
Hunter-Lab	49.9833, 6.2806, -1.3370

# Details

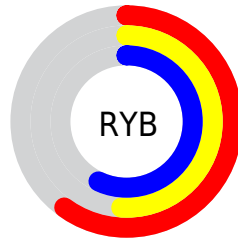
The Yxy color  $24.9833, 0.3207, 0.3052$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $29.0897, 0.3056, 0.3540$ , and the grayscale version is  $25.7987, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $51.5729, 0.3186, 0.3099$ , and  $9.6458, 0.3228, 0.2966$  is the 20% darker color. If you saturate the color by 10%, you get  $21.0631, 0.3276, 0.2872$ , and if you desaturate by 10%, it is  $29.5099, 0.3147, 0.3226$ .

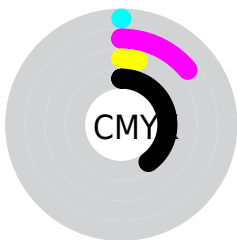
# Distribution



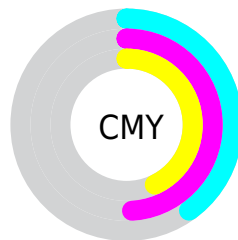
- Red (60%)
- Green (51%)
- Blue (57%)



- Red (60%)
- Yellow (51%)
- Blue (57%)



- Cyan (0%)
- Magenta (14%)
- Yellow (4%)
- Black (40%)




- Cyan (40%)
- Magenta (49%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9833, 0.3207, 0.3052 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 24.9833, 0.3207, 0.3052 by changing the saturation by 10% instead.





 24.9833, 0.3207,  
0.3052


 24.9833, 0.3207,  
0.3052


277.7548, 0.3164,  
0.3181


 16.0646, 0.3219,  
0.3016


 51.6301, 0.3191,  
0.3102

 9.5699, 0.3235,  
0.2967


 70.1271, 0.3185,  
0.3119

 5.1147, 0.3258,  
0.2897

 92.5855, 0.3180,  
0.3134

 2.3147, 0.3293,  
0.2787

119.3899, 0.3176,  
0.3147

 0.7815, 0.3358,  
0.2585

150.9247, 0.3172,  
0.3157

 0.0000, 0.0000,  
0.0000

187.5741, 0.3169,

0.3166

229.7227, 0.3166,  
0.3174

■ 24.9833, 0.3207,  
0.3052

■ 24.9833, 0.3207,  
0.3052

■ 21.0631, 0.3276,  
0.2872

■ 29.5099, 0.3147,  
0.3226

■ 17.7200, 0.3357,  
0.2691

■ 34.6640, 0.3097,  
0.3391

■ 14.9272, 0.3447,  
0.2516

■ 40.4699, 0.3054,  
0.3546

■ 12.6542, 0.3548,  
0.2353

■ 46.9494, 0.3018,  
0.3690

■ 10.8681, 0.3658,  
0.2213

■ 54.1235, 0.2988,  
0.3823

■ 9.5315, 0.3774,  
0.2106

■ 62.0121, 0.2963,  
0.3944

■ 8.6023, 0.3892,  
0.2040

■ 70.6344, 0.2942,  
0.4056

■ 8.0294, 0.4008,  
0.2021

■ 80.0089, 0.2925,  
0.4158

■ 7.7666, 0.4081,  
0.2022

■ 81.7078, 0.2904,  
0.4127

# Harmonies

## Analogous

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



24.9833, 0.3001, 0.2963



24.9833, 0.3207, 0.3052



24.9833, 0.3396, 0.3199

# Triad

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



24.9833, 0.3207, 0.3052



24.9833, 0.3422, 0.3634



24.9833, 0.2756, 0.3187

# Complementary

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



24.9833, 0.3207, 0.3052



29.0897, 0.3056, 0.3540

# 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.



24.9833, 0.2862, 0.3377



24.9833, 0.3207, 0.3052



24.9833, 0.3244, 0.3642

# Square

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



24.9833, 0.3207, 0.3052



24.9833, 0.3522, 0.3532



24.9833, 0.3039, 0.3547



24.9833, 0.2746, 0.3034



# Rectangle

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



24.9833, 0.3207, 0.3052



24.9833, 0.3485, 0.3315



24.9833, 0.3039, 0.3547



24.9833, 0.2781, 0.3248

# Sweetspot

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



24.9844, 0.3207, 0.3052



51.8609, 0.3149, 0.3221



23.8158, 0.2977, 0.2942



11.6509, 0.3153, 0.3209



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



24.9844, 0.3207, 0.3052



41.5448, 0.3230, 0.2989



24.6747, 0.3322, 0.3217



6.2934, 0.3179, 0.3133



6.5175, 0.4074, 0.2018



0.1036, 0.3622, 0.1769



# Inverse Universe

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



24.9844, 0.3207, 0.3052



41.5448, 0.3230, 0.2989



29.4035, 0.2963, 0.3364



6.2934, 0.3179, 0.3133



6.5175, 0.4074, 0.2018

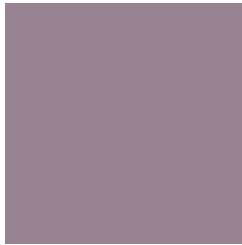


0.1036, 0.3622, 0.1769



# Previews

## White Background



This preview shows how the Yxy color 24.9833, 0.3207, 0.3052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

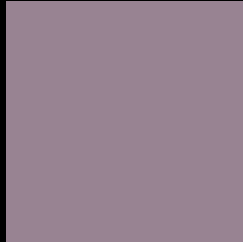
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.9833, 0.3207, 0.3052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

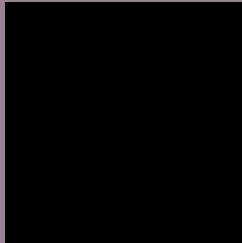
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.9833, 0.3207, 0.3052**

## Background



This preview shows how black text looks on a background with the Yxy color 24.9833, 0.3207, 0.3052.



This preview shows how white text looks on a background with the Yxy color 24.9833, 0.3207, 0.3052.

# 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

24.9833, 0.3207, 0.3052

### Protanopia

25.0125, 0.2996, 0.3074

### Deuteranopia

24.9614, 0.3137, 0.3079



## Tritanopia

25.0348, 0.3237, 0.3130

# Trichromacy



## Original Color

24.9833, 0.3207, 0.3052

## Protanomaly

24.9391, 0.3072, 0.3061

## Deuteranomaly

24.8738, 0.3160, 0.3064

## Tritanomaly

25.0650, 0.3227, 0.3114

# Monochromacy



## Original Color

24.9833, 0.3207, 0.3052

## Achromatopsia

25.8183, 0.3127, 0.3290

## Achromatomaly

25.4906, 0.3154, 0.3192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.9833, 0.3207, 0.3052 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(152, 131, 146)` looks like.

```
.text, #text, p{  
    color:rgb(152, 131, 146)  
}
```

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(152, 131, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 131, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 24.9833, 0.3207, 0.3052 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(152, 131, 146) }
```

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

```
.border{ border-color:rgb(152, 131, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 131, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 131, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 131, 146);  
box-shadow:4px 4px 4px 4px rgb(152, 131,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.9833, 0.3207, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 131, 146) }
```

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

```
.background{ background-color: rgb(152,  
131, 146) }
```

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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