

# Converting Colors

$Y_{xy}(24.5219, 0.3983, 0.3336)$

Have a look what the booklet for  
Yxy(24.5219, 0.3983, 0.3336)  
contains.

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**Color**

**Yxy(24.5219, 0.3983, 0.3336)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B77774
RGB	183, 119, 116
RGB Percent	72%, 47%, 45%
CMY	0.2823, 0.5333, 0.5452
CMYK	0.00, 0.35, 0.37, 0.28
HSL	3°, 32%, 59%
HSV	3°, 37%, 72%
XYZ	29.2778, 24.5219, 19.7072
YIQ	137.7940, 39.1070, 12.6350

# Conversions

## Conversions Part 2

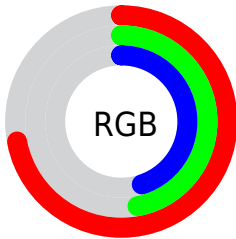
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 119, 116
Decimal	12023668
CIE Lab	56.61, 24.72, 12.05
CIE LCh	57, 27.501, 25.992
Yxy	24.5219, 0.3983, 0.3336
Android (android.graphics.Color)	4290213748 (0xFFB77774)
YUV	137.7940, -10.7444, 39.6457
Hunter-Lab	49.5196, 18.8764, 11.0682

# Details

The Yxy color **24.5219, 0.3983, 0.3336** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **39.7668, 0.2615, 0.3243**, and the grayscale version is **25.3639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0330, 0.3798, 0.3336**, and **9.3869, 0.4309, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **20.3541, 0.4347, 0.3348**, and if you desaturate by 10%, it is **29.5407, 0.3681, 0.3323**.

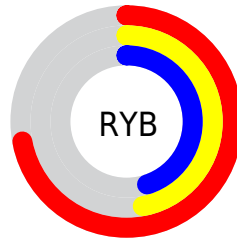
# Distribution



Red (72%)

Green (47%)

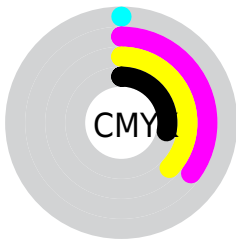
Blue (45%)



Red (72%)

Yellow (47%)

Blue (45%)

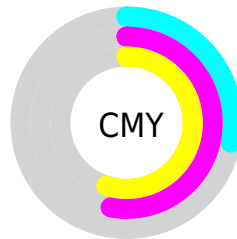


Cyan (0%)

Magenta (35%)

Yellow (37%)

Black (28%)



Cyan (28%)

Magenta (53%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5219, 0.3983, 0.3336 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 24.5219, 0.3983, 0.3336 by changing the saturation by 10% instead.





 24.5219, 0.3983,  
0.3336


 24.5219, 0.3983,  
0.3336


275.4485, 0.3505,  
0.3323


 15.7212, 0.4122,  
0.3334


 50.8805, 0.3796,  
0.3335

 9.3271, 0.4312,  
0.3326


 69.2073, 0.3730,  
0.3333

 4.9551, 0.4590,  
0.3307

 91.4782, 0.3675,  
0.3332

 2.2210, 0.5028,  
0.3254

118.0776, 0.3630,  
0.3330

 0.7314, 0.6546,  
0.3454

149.3899, 0.3592,  
0.3328

 0.0000, 1.0000,  
0.0000


185.7996, 0.3559,


 0.0000, 0.0000,


0.3326

0.0000


227.6910, 0.3530,  
0.3325

 24.5219, 0.3983,  
0.3336


 24.5219, 0.3983,  
0.3336


 20.3541, 0.4347,  
0.3348


 29.5407, 0.3681,  
0.3323

 16.9870, 0.4769,  
0.3358

 35.4504, 0.3435,  
0.3310


 14.3701, 0.5230,  
0.3362


 42.2924, 0.3237,  
0.3298

 12.4460, 0.5683,  
0.3358


 50.1046, 0.3077,  
0.3286


 11.1490, 0.6062,  
0.3345

 58.9229, 0.2948,  
0.3276

 10.3997, 0.6308,  
0.3326

 68.7812, 0.2842,  
0.3267

 10.2471, 0.6368,  
0.3326

 79.7119, 0.2756,  
0.3259

 88.8080, 0.2716,  
0.3289

# Harmonies

## Analogous

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



24.5219, 0.3637, 0.2974



24.5219, 0.3983, 0.3336



24.5219, 0.4075, 0.3713

# Triad

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



24.5219, 0.3983, 0.3336



24.5219, 0.3039, 0.4012



24.5219, 0.2389, 0.2560

# Complementary

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



24.5219, 0.3983, 0.3336



39.7668, 0.2615, 0.3243

# 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.



24.5219, 0.2260, 0.2766



24.5219, 0.3983, 0.3336



24.5219, 0.2614, 0.3622

# Square

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



24.5219, 0.3983, 0.3336



24.5219, 0.3509, 0.4153



24.5219, 0.2337, 0.3147



24.5219, 0.2706, 0.2542



# Rectangle

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



24.5219, 0.3983, 0.3336



24.5219, 0.3981, 0.3933



24.5219, 0.2337, 0.3147



24.5219, 0.2324, 0.2607

# Sweetspot

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



24.5231, 0.3983, 0.3336



69.9436, 0.3322, 0.3303



25.8814, 0.3193, 0.2424



15.0848, 0.3349, 0.3305



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.



24.5231, 0.3983, 0.3336



37.7548, 0.4273, 0.3346



33.6968, 0.3814, 0.3795



9.0754, 0.3287, 0.3301



7.1754, 0.6361, 0.3332



0.2750, 0.6205, 0.3455



# Inverse Universe

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



39.7668, 0.2615, 0.3243



69.0578, 0.2524, 0.3231



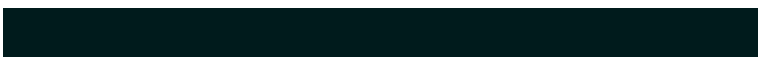
28.0792, 0.2542, 0.2722



10.1393, 0.2985, 0.3279



23.7335, 0.2209, 0.3151

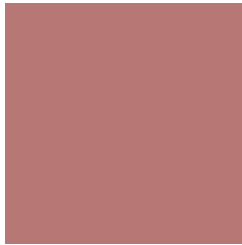


0.8581, 0.2219, 0.3189



# Previews

## White Background



This preview shows how the Yxy color 24.5219, 0.3983, 0.3336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

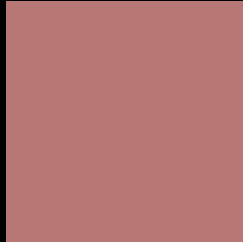
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.5219, 0.3983, 0.3336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

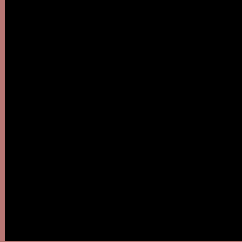
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.5219, 0.3983, 0.3336**

## Background



This preview shows how black text looks on a background with the Yxy color 24.5219, 0.3983, 0.3336.



This preview shows how white text looks on a background with the Yxy color 24.5219, 0.3983, 0.3336.

# 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

24.5219, 0.3983, 0.3336

### Protanopia

24.7517, 0.3300, 0.3477

### Deuteranopia

24.6156, 0.3630, 0.3566



## Tritanopia

24.4193, 0.3873, 0.3164

# Trichromacy



## Original Color

24.5219, 0.3983, 0.3336

## Protanomaly

24.4383, 0.3528, 0.3421

## Deuteranomaly

24.5235, 0.3746, 0.3479

## Tritanomaly

24.5524, 0.3921, 0.3235

# Monochromacy



## Original Color

24.5219, 0.3983, 0.3336

## Achromatopsia

25.4152, 0.3127, 0.3290

## Achromatomaly

24.7143, 0.3408, 0.3307

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.5219, 0.3983, 0.3336 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(183, 119, 116)` looks like.

```
.text, #text, p{  
    color:rgb(183, 119, 116)  
}
```

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(183, 119, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 119, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 24.5219, 0.3983, 0.3336 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(183, 119, 116) }
```

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

```
.border{ border-color:rgb(183, 119, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 119, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 119, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 119, 116);  
box-shadow:4px 4px 4px 4px rgb(183, 119,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.5219, 0.3983, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 119, 116) }
```

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

```
.background{ background-color: rgb(183,  
119, 116) }
```

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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