

# Converting Colors

$Yxy(44.9039, 0.3519, 0.3475)$

Have a look what the booklet for  
Yxy(44.9039, 0.3519, 0.3475)  
contains.

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# Color

**Yxy(44.9123, 0.3525, 0.3481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAAD9E
RGB	202, 173, 158
RGB Percent	79%, 68%, 62%
CMY	0.2077, 0.3216, 0.3803
CMYK	0.00, 0.14, 0.22, 0.21
HSL	20°, 29%, 71%
HSV	20°, 22%, 79%
XYZ	45.4800, 44.9123, 38.6290
YIQ	179.9610, 22.0990, 1.4830

# Conversions

## Conversions Part 2

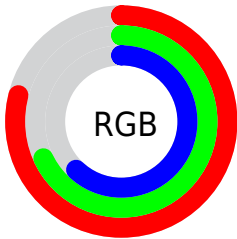
Format	Color
R <sub>Y</sub> B	202, 181, 158
Decimal	13282718
CIE Lab	72.83, 8.17, 11.58
CIE LCh	73, 14.172, 54.782
Yxy	44.9123, 0.3525, 0.3481
Android (android.graphics.Color)	4291472798 (0xFFCAAD9E)
YUV	179.9610, -10.8268, 19.3282
Hunter-Lab	67.0166, 3.8576, 12.7364

# Details

The Yxy color **44.9123, 0.3525, 0.3481** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.1042, 0.2792, 0.3091**, and the grayscale version is **45.6733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5509, 0.3418, 0.3441**, and **20.9393, 0.3631, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **39.4148, 0.3759, 0.3575**, and if you desaturate by 10%, it is **51.0384, 0.3325, 0.3390**.

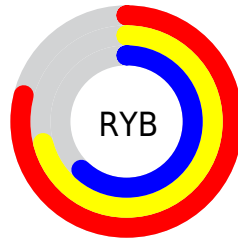
# Distribution



Red (79%)

Green (68%)

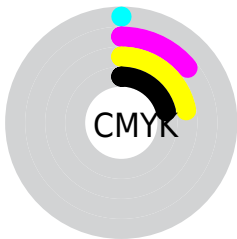
Blue (62%)



Red (79%)

Yellow (71%)

Blue (62%)

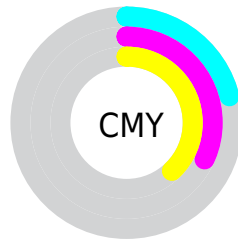


Cyan (0%)

Magenta (14%)

Yellow (22%)

Black (21%)



Cyan (21%)

Magenta (32%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9123, 0.3525, 0.3481 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 44.9123, 0.3525, 0.3481 by changing the saturation by 10% instead.




 44.9123, 0.3525,  
0.3481


 44.9123, 0.3525,  
0.3481


366.4183, 0.3324,  
0.3388

 31.3884, 0.3576,  
0.3503


 82.5888, 0.3451,  
0.3448

 20.8947, 0.3642,  
0.3532


 107.5101, 0.3424,  
0.3435

 13.0471, 0.3730,  
0.3569


136.9994, 0.3400,  
0.3424

 7.4610, 0.3855,  
0.3618

171.4410, 0.3381,  
0.3415

 3.7520, 0.4043,  
0.3686

211.2192, 0.3363,  
0.3407

 1.5358, 0.4373,  
0.3801

256.7186, 0.3348,

 0.3138, 0.6134,

0.3400

0.3866

308.3235, 0.3335,  
0.3393

0.0000, 0.0000,  
0.0000

44.9123, 0.3525,  
0.3481

44.9123, 0.3525,  
0.3481

39.4148, 0.3759,  
0.3575

51.0384, 0.3325,  
0.3390

34.5193, 0.4030,  
0.3667

57.8066, 0.3155,  
0.3305

30.2063, 0.4337,  
0.3751

65.2373, 0.3010,  
0.3225

26.4527, 0.4674,  
0.3817

73.3483, 0.2888,  
0.3152

23.2338, 0.5025,  
0.3854

81.8941, 0.2805,  
0.3127

■ 20.5228, 0.5366,  
0.3849

■ 90.0184, 0.2815,  
0.3268

■ 18.2898, 0.5665,  
0.3794

■ 91.3010, 0.2816,  
0.3289

■ 16.7828, 0.5870,  
0.3721

# Harmonies

## Analogous

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



44.9123, 0.3479, 0.3315



44.9123, 0.3525, 0.3481



44.9123, 0.3460, 0.3604

# Triad

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



44.9123, 0.3525, 0.3481



44.9123, 0.2917, 0.3436



44.9123, 0.2943, 0.2957

# Complementary

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



44.9123, 0.3525, 0.3481



47.1042, 0.2792, 0.3091

# 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.



44.9123, 0.2801, 0.2977



44.9123, 0.3525, 0.3481



44.9123, 0.2787, 0.3249

# Square

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



44.9123, 0.3525, 0.3481



44.9123, 0.3106, 0.3584



44.9123, 0.2745, 0.3081



44.9123, 0.3138, 0.3019



# Rectangle

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



44.9123, 0.3525, 0.3481



44.9123, 0.3364, 0.3642



44.9123, 0.2745, 0.3081



44.9123, 0.2888, 0.2954

# Sweetspot

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



44.9143, 0.3525, 0.3481



91.6171, 0.3242, 0.3349



40.6256, 0.3284, 0.2925



19.4607, 0.3252, 0.3355



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.



44.9143, 0.3525, 0.3481



71.6347, 0.3628, 0.3524



53.9250, 0.3470, 0.3744



11.8270, 0.3282, 0.3369



10.9452, 0.5846, 0.3740



0.7050, 0.5464, 0.4043

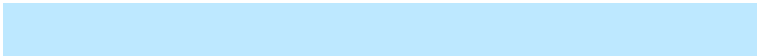


# Inverse Universe

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



47.1042, 0.2792, 0.3091



75.9666, 0.2722, 0.3044



38.5764, 0.2771, 0.2792



12.0593, 0.2983, 0.3209



13.7607, 0.1930, 0.2147



0.8471, 0.1999, 0.2396



# Previews

## White Background



This preview shows how the Yxy color 44.9123, 0.3525, 0.3481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

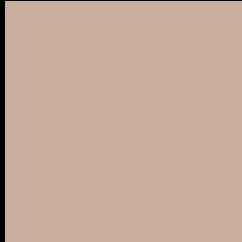
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9123, 0.3525, 0.3481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

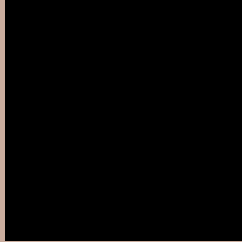
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9123, 0.3525, 0.3481**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.9123, 0.3525, 0.3481.



This preview shows how white text looks on a background with the Yxy color 44.9123, 0.3525, 0.3481.

# 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

44.9123, 0.3525, 0.3481

### Protanopia

44.8531, 0.3339, 0.3516

### Deuteranopia

44.8110, 0.3546, 0.3468



## Tritanopia

44.7740, 0.3336, 0.3118

# Trichromacy



## Original Color

44.9123, 0.3525, 0.3481

## Protanomaly

44.7952, 0.3407, 0.3499

## Deuteranomaly

44.6702, 0.3537, 0.3468

## Tritanomaly

44.6428, 0.3406, 0.3241

# Monochromacy



## Original Color

44.9123, 0.3525, 0.3481

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.1142, 0.3266, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9123, 0.3525, 0.3481 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, 173, 158)` looks like.

```
.text, #text, p{  
    color:rgb(202, 173, 158)  
}
```

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, 173, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 173, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9123, 0.3525, 0.3481 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, 173, 158) }
```

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

```
.border{ border-color:rgb(202, 173, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 173, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 173, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 173, 158);  
box-shadow:4px 4px 4px 4px rgb(202, 173,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9123, 0.3525, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 173, 158) }
```

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

```
.background{ background-color: rgb(202,  
173, 158) }
```

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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