

# Converting Colors

$Yxy(44.8962, 0.3562, 0.3552)$

Have a look what the booklet for  
Yxy(44.8962, 0.3562, 0.3552)  
contains.

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# Color

**Yxy(44.9895, 0.3558, 0.3559)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9AE99
RGB	201, 174, 153
RGB Percent	79%, 68%, 60%
CMY	0.2117, 0.3177, 0.4001
CMYK	0.00, 0.13, 0.24, 0.21
HSL	26°, 31%, 69%
HSV	26°, 24%, 79%
XYZ	44.9769, 44.9895, 36.4441
YIQ	179.6790, 22.8330, -0.8070

# Conversions

## Conversions Part 2

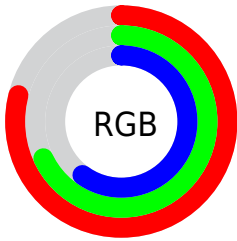
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 190, 153
Decimal	13217433
CIE <sub>Lab</sub>	72.88, 6.51, 14.39
CIE <sub>LCh</sub>	73, 15.790, 65.667
Yxy	44.9895, 0.3558, 0.3559
Android (android.graphics.Color)	4291407513 (0xFFC9AE99)
YUV	179.6790, -13.1527, 18.6985
Hunter-Lab	67.0742, 2.3140, 14.7373

# Details

The Yxy color  $44.9895, 0.3558, 0.3559$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $43.6368, 0.2755, 0.3005$ , and the grayscale version is  $45.5251, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.8036, 0.3457, 0.3512$ , and  $20.9894, 0.3676, 0.3637$  is the 20% darker color. If you saturate the color by 10%, you get  $40.1948, 0.3785, 0.3678$ , and if you desaturate by 10%, it is  $50.2681, 0.3360, 0.3442$ .

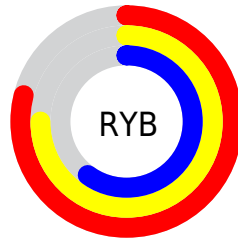
# Distribution



Red (79%)

Green (68%)

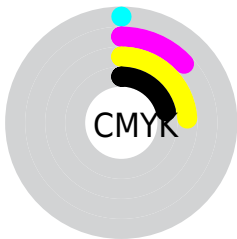
Blue (60%)



Red (79%)

Yellow (75%)

Blue (60%)

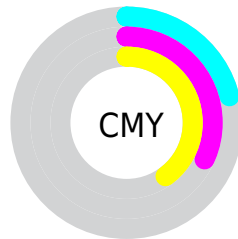


Cyan (0%)

Magenta (13%)

Yellow (24%)

Black (21%)



Cyan (21%)

Magenta (32%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9895, 0.3558, 0.3559 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 44.9895, 0.3558, 0.3559 by changing the saturation by 10% instead.




 44.9895, 0.3558,  
0.3559


 44.9895, 0.3558,  
0.3559


366.7310, 0.3340,  
0.3427

 31.4492, 0.3613,  
0.3591


 82.7047, 0.3478,  
0.3512

 20.9411, 0.3684,  
0.3632


 107.6483, 0.3449,  
0.3494

 13.0810, 0.3779,  
0.3685


137.1617, 0.3424,  
0.3478

 7.4843, 0.3911,  
0.3756

171.6295, 0.3402,  
0.3465

 3.7668, 0.4109,  
0.3856

211.4359, 0.3383,  
0.3454

 1.5440, 0.4498,  
0.4062

256.9653, 0.3367,

 0.3194, 0.5915,

0.3444

0.4085

308.6023, 0.3353,  
0.3435

0.0000, 0.0000,  
0.0000

44.9895, 0.3558,  
0.3559

44.9895, 0.3558,  
0.3559

40.1948, 0.3785,  
0.3678

50.2681, 0.3360,  
0.3442

35.8634, 0.4040,  
0.3794

56.0385, 0.3188,  
0.3331

31.9817, 0.4322,  
0.3900

62.3160, 0.3039,  
0.3228

28.5333, 0.4621,  
0.3984

69.1133, 0.2911,  
0.3131

25.5006, 0.4925,  
0.4033

76.4427, 0.2801,  
0.3043

■ 22.8640, 0.5213,  
0.4037

■ 83.0594, 0.2801,  
0.3150

■ 20.6018, 0.5464,  
0.3986

■ 89.9961, 0.2809,  
0.3270

■ 19.3881, 0.5599,  
0.3936

■ 91.1608, 0.2811,  
0.3289

# Harmonies

## Analogous

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



44.9895, 0.3553, 0.3386



44.9895, 0.3558, 0.3559



44.9895, 0.3444, 0.3668

# Triad

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



44.9895, 0.3558, 0.3559



44.9895, 0.2831, 0.3378



44.9895, 0.2996, 0.2936

# Complementary

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



44.9895, 0.3558, 0.3559



43.6368, 0.2755, 0.3005

# 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.



44.9895, 0.2812, 0.2923



44.9895, 0.3558, 0.3559



44.9895, 0.2720, 0.3169

# Square

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



44.9895, 0.3558, 0.3559



44.9895, 0.3023, 0.3567



44.9895, 0.2713, 0.3005



44.9895, 0.3222, 0.3035



# Rectangle

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



44.9895, 0.3558, 0.3559



44.9895, 0.3319, 0.3686



44.9895, 0.2713, 0.3005



44.9895, 0.2928, 0.2921

# Sweetspot

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



44.9915, 0.3558, 0.3559



92.6623, 0.3240, 0.3366



38.5028, 0.3348, 0.2947



19.7025, 0.3250, 0.3373



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.



44.9915, 0.3558, 0.3559



72.3859, 0.3679, 0.3625



55.0266, 0.3493, 0.3844



11.3875, 0.3279, 0.3391



12.3630, 0.5575, 0.3956



0.7290, 0.5216, 0.4240

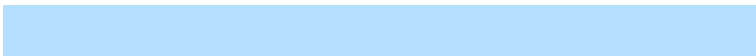


# Inverse Universe

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



43.6368, 0.2755, 0.3005



69.6408, 0.2667, 0.2929



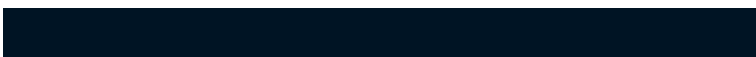
34.8298, 0.2727, 0.2668



11.2609, 0.2983, 0.3186



10.2742, 0.1835, 0.1806



0.6289, 0.1929, 0.2145



# Previews

## White Background



This preview shows how the Yxy color 44.9895, 0.3558, 0.3559 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 44.9895, 0.3558, 0.3559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

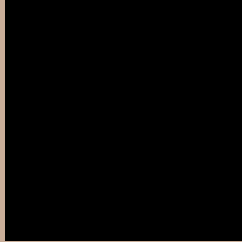
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9895, 0.3558, 0.3559**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9895, 0.3558, 0.3559.



This preview shows how white text looks on a background with the Yxy color 44.9895, 0.3558, 0.3559.

# 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

44.9895, 0.3558, 0.3559

### Protanopia

45.2981, 0.3406, 0.3607

### Deuteranopia

44.7841, 0.3601, 0.3531



## Tritanopia

45.1475, 0.3335, 0.3130

# Trichromacy



## Original Color

44.9895, 0.3558, 0.3559

## Protanomaly

45.1148, 0.3466, 0.3591

## Deuteranomaly

45.0244, 0.3589, 0.3544

## Tritanomaly

44.9417, 0.3422, 0.3278

# Monochromacy



## Original Color

44.9895, 0.3558, 0.3559

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.4344, 0.3281, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9895, 0.3558, 0.3559 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(201, 174, 153)` looks like.

```
.text, #text, p{  
    color:rgb(201, 174, 153)  
}
```

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(201, 174, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 174, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9895, 0.3558, 0.3559 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(201, 174, 153) }
```

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

```
.border{ border-color:rgb(201, 174, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 174, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 174, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 174, 153);  
box-shadow:4px 4px 4px 4px rgb(201, 174,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9895, 0.3558, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 174, 153) }
```

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

```
.background{ background-color: rgb(201,  
174, 153) }
```

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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