

# Converting Colors

$Yxy(44.1891, 0.3621, 0.3528)$

Have a look what the booklet for  
Yxy(44.1891, 0.3621, 0.3528)  
contains.

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# Color

**Yxy(43.9956, 0.3617, 0.3519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDAA98
RGB	205, 170, 152
RGB Percent	80%, 67%, 60%
CMY	0.1960, 0.3333, 0.4040
CMYK	0.00, 0.17, 0.26, 0.20
HSL	20°, 35%, 70%
HSV	20°, 26%, 80%
XYZ	45.2208, 43.9956, 35.8066
YIQ	178.4130, 26.6380, 1.8220

# Conversions

## Conversions Part 2

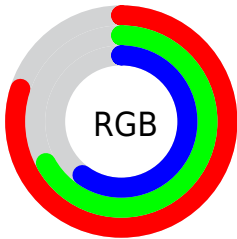
Format	Color
R <sub>Y</sub> B	205, 179, 152
Decimal	13478552
CIE Lab	72.23, 10.05, 14.06
CIE LCh	72, 17.287, 54.448
Yxy	43.9956, 0.3617, 0.3519
Android (android.graphics.Color)	4291668632 (0xFFCDAA98)
YUV	178.4130, -13.0216, 23.3168
Hunter-Lab	66.3292, 5.6188, 14.4238

# Details

The Yxy color  $43.9956, 0.3617, 0.3519$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $46.6215, 0.2729, 0.3049$ , and the grayscale version is  $44.8119, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.5667, 0.3472, 0.3483$ , and  $20.3805, 0.3762, 0.3582$  is the 20% darker color. If you saturate the color by 10%, you get  $38.5665, 0.3866, 0.3613$ , and if you desaturate by 10%, it is  $50.0674, 0.3403, 0.3427$ .

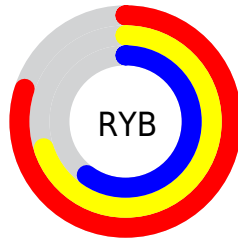
# Distribution



Red (80%)

Green (67%)

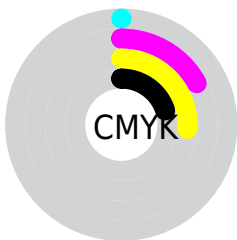
Blue (60%)



Red (80%)

Yellow (70%)

Blue (60%)

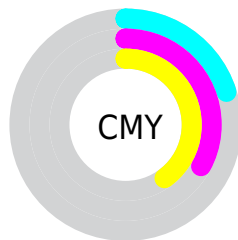


Cyan (0%)

Magenta (17%)

Yellow (26%)

Black (20%)



Cyan (20%)

Magenta (33%)


Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9956, 0.3617, 0.3519 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 43.9956, 0.3617, 0.3519 by changing the saturation by 10% instead.





 43.9956, 0.3617,  
0.3519


 43.9956, 0.3617,  
0.3519


362.6903, 0.3368,  
0.3408

 30.6671, 0.3680,  
0.3545


 81.2111, 0.3526,  
0.3480

 20.3454, 0.3762,  
0.3579


 105.8669, 0.3492,  
0.3464

 12.6464, 0.3872,  
0.3621


135.0672, 0.3463,  
0.3452

 7.1855, 0.4027,  
0.3677

169.1964, 0.3438,  
0.3440

 3.5784, 0.4260,  
0.3752

208.6389, 0.3417,  
0.3431

 1.4406, 0.4736,  
0.3927

253.7791, 0.3399,

 0.2464, 0.6606,

0.3422

0.3394

305.0015, 0.3382,  
0.3415

0.0000, 0.0000,  
0.0000

43.9956, 0.3617,  
0.3519

43.9956, 0.3617,  
0.3519

38.5665, 0.3866,  
0.3613

50.0674, 0.3403,  
0.3427

33.7523, 0.4153,  
0.3702

56.7965, 0.3221,  
0.3339

29.5320, 0.4474,  
0.3780

64.2046, 0.3066,  
0.3257

25.8812, 0.4819,  
0.3836

72.3103, 0.2935,  
0.3181

22.7732, 0.5170,  
0.3857

81.1317, 0.2824,  
0.3112

■ 20.1790, 0.5498,  
0.3832

■ 89.3309, 0.2830,  
0.3250

■ 18.0660, 0.5772,  
0.3756

■ 91.7212, 0.2833,  
0.3289

■ 17.3186, 0.5873,  
0.3719

# Harmonies

## Analogous

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



43.9956, 0.3559, 0.3316



43.9956, 0.3617, 0.3519



43.9956, 0.3537, 0.3673

# Triad

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



43.9956, 0.3617, 0.3519



43.9956, 0.2872, 0.3472



43.9956, 0.2898, 0.2883

# Complementary

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



43.9956, 0.3617, 0.3519



46.6215, 0.2729, 0.3049

# 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.



43.9956, 0.2727, 0.2907



43.9956, 0.3617, 0.3519



43.9956, 0.2712, 0.3239

# Square

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



43.9956, 0.3617, 0.3519



43.9956, 0.3103, 0.3655



43.9956, 0.2660, 0.3033



43.9956, 0.3137, 0.2959



# Rectangle

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



43.9956, 0.3617, 0.3519



43.9956, 0.3420, 0.3723



43.9956, 0.2660, 0.3033



43.9956, 0.2831, 0.2880

# Sweetspot

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



43.9976, 0.3617, 0.3519



90.4606, 0.3259, 0.3358



39.0346, 0.3320, 0.2854



18.9957, 0.3286, 0.3371



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.



43.9976, 0.3617, 0.3519



67.0139, 0.3750, 0.3571



54.8070, 0.3539, 0.3832



11.8263, 0.3282, 0.3369



10.9390, 0.5847, 0.3740



0.7046, 0.5465, 0.4043

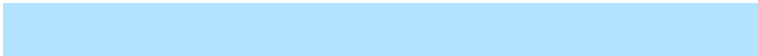


# Inverse Universe

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



46.6215, 0.2729, 0.3049



72.0092, 0.2646, 0.2989



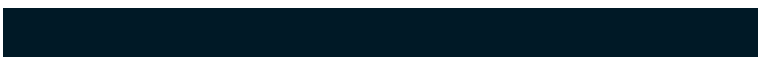
36.5098, 0.2696, 0.2683



12.0600, 0.2983, 0.3209



13.7742, 0.1930, 0.2148



0.8477, 0.1999, 0.2397



# Previews

## White Background



This preview shows how the Yxy color 43.9956, 0.3617, 0.3519 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 43.9956, 0.3617, 0.3519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

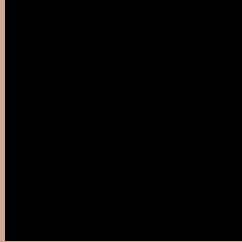
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.9956, 0.3617, 0.3519**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9956, 0.3617, 0.3519.



This preview shows how white text looks on a background with the Yxy color 43.9956, 0.3617, 0.3519.

# 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

43.9956, 0.3617, 0.3519

### Protanopia

44.2499, 0.3392, 0.3584

### Deuteranopia

44.0893, 0.3594, 0.3533



## Tritanopia

43.9370, 0.3405, 0.3131

# Trichromacy



## Original Color

43.9956, 0.3617, 0.3519

## Protanomaly

43.9427, 0.3473, 0.3553

## Deuteranomaly

44.2302, 0.3604, 0.3532

## Tritanomaly

43.7674, 0.3486, 0.3266

# Monochromacy



## Original Color

43.9956, 0.3617, 0.3519

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.2159, 0.3294, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9956, 0.3617, 0.3519 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(205, 170, 152)` looks like.

```
.text, #text, p{  
    color:rgb(205, 170, 152)  
}
```

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(205, 170, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 170, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9956, 0.3617, 0.3519 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(205, 170, 152) }
```

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

```
.border{ border-color:rgb(205, 170, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 170, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 170, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 170, 152);  
box-shadow:4px 4px 4px 4px rgb(205, 170,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9956, 0.3617, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 170, 152) }
```

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

```
.background{ background-color: rgb(205,  
170, 152) }
```

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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