

# Converting Colors

XYZ(44.7818, 44.3319, 37.8640)

Have a look what the booklet for  
XYZ(44.7818, 44.3319, 37.8640)  
contains.

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# Color

**XYZ(44.8407, 44.3229,  
37.6443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9AC9C
RGB	201, 172, 156
RGB Percent	79%, 67%, 61%
CMY	0.2118, 0.3255, 0.3882
CMYK	0.00, 0.14, 0.22, 0.21
HSL	21°, 29%, 70%
HSV	21°, 22%, 79%
XYZ	44.8407, 44.3229, 37.6443
YIQ	178.8470, 22.4200, 1.1720

# Conversions

## Conversions Part 2

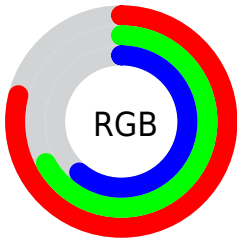
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 181, 156
Decimal	13216924
CIE Lab	72.44, 8.01, 12.12
CIE LCh	72, 14.529, 56.523
Yxy	44.3229, 0.3536, 0.3495
Android (android.graphics.Color)	4291407004 (0xFFC9AC9C)
YUV	178.8470, -11.2636, 19.4282
Hunter-Lab	66.5754, 3.7184, 13.0780

# Details

The XYZ color **44.8407, 44.3229, 37.6443** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.6015, 45.9817, 61.9414**, and the grayscale version is **42.8170, 45.0468, 49.0560**.

A 20% lighter version of the original color is **80.3419, 80.8513, 72.3442**, and **21.1203, 20.5639, 16.2207** is the 20% darker color. If you saturate the color by 10%, you get **40.9318, 39.0070, 28.6276**, and if you desaturate by 10%, it is **49.2739, 50.2360, 48.2264**.

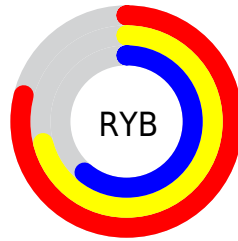
# Distribution



Red (79%)

Green (67%)

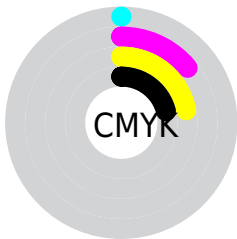
Blue (61%)



Red (79%)

Yellow (71%)

Blue (61%)

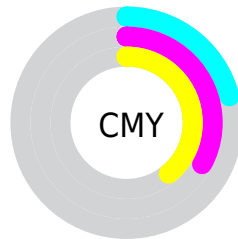


Cyan (0%)

Magenta (14%)

Yellow (22%)

Black (21%)



Cyan (21%)

Magenta (33%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8407, 44.3229, 37.6443 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 XYZ color 44.8407, 44.3229, 37.6443 by changing the saturation by 10% instead.





 44.8407, 44.3229,  
37.6443

 44.8407, 44.3229,  
37.6443


356.9226,  
364.0243, 351.3440

 31.5327, 30.9244,  
25.4071


 81.7199, 81.7034,  
72.7600

 21.1586, 20.5413,  
16.1588


 106.0217,  
106.4542, 96.4755

 13.3531, 12.7891,  
9.4810


134.7189,  
135.7580, 124.8542

 7.7508, 7.2835,  
4.9552

168.1769,  
169.9991, 158.3145

 3.9864, 3.6400,  
2.1627

206.7608,  
209.5618, 197.2752

 1.6944, 1.4743,  
0.6527

250.8362,

 0.4528, 0.2705,

254.8307, 242.1546

0.0000

300.7683,  
306.1901, 293.3713

0.0000, 0.0000,  
0.0000

44.8407, 44.3229,  
37.6443

44.8407, 44.3229,  
37.6443

40.9318, 39.0070,  
28.6276

49.2739, 50.2360,  
48.2264

37.5230, 34.2631,  
21.0982

54.2474, 56.7585,  
60.4412

34.5933, 30.0729,  
14.9757

59.7807, 63.9099,  
74.3554

32.1186, 26.4147,  
10.1707

65.8912, 71.7070,  
90.0311

30.0727, 23.2653,  
6.5834

72.3531, 80.0687,  
106.2491

■ 28.4260, 20.5994,  
4.0994

■ 76.2344, 87.8314,  
107.5429

■ 27.1440, 18.3891,  
2.5821

■ 77.8975, 91.1576,  
108.0973

■ 26.3717, 16.9860,  
1.8887

# Harmonies

## Analogous

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



46.5859, 44.3229, 42.3585



44.8407, 44.3229, 37.6443



42.4204, 44.3229, 35.7591

# Triad

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



44.8407, 44.3229, 37.6443



37.5004, 44.3229, 47.4283



44.3153, 44.3229, 61.6849

# Complementary

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



44.8407, 44.3229, 37.6443



41.6015, 45.9817, 61.9414

# 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.



41.8361, 44.3229, 63.3801



44.8407, 44.3229, 37.6443



37.9632, 44.3229, 54.6858

# Square

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



44.8407, 44.3229, 37.6443



38.2364, 44.3229, 41.0439



39.5262, 44.3229, 60.7047



46.2742, 44.3229, 56.2761



# Rectangle

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



44.8407, 44.3229, 37.6443



40.7726, 44.3229, 36.2065



39.5262, 44.3229, 60.7047



43.5123, 44.3229, 62.7297

# Sweetspot

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



44.8419, 44.3249, 37.6452



88.7479, 91.7830, 93.2741



44.7597, 39.7083, 51.3433



18.8842, 19.4991, 19.6906



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



44.8419, 44.3249, 37.6452



73.3229, 71.2195, 56.4202



49.4360, 53.5131, 39.1766



10.9374, 11.2439, 11.1566



16.6604, 10.8380, 1.2138



0.8572, 0.6498, 0.0803



# Inverse Universe

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



41.6015, 45.9817, 61.9414



66.7762, 74.5579, 105.4794



37.3063, 37.3912, 60.5096



10.6171, 11.4083, 13.5599



11.6965, 12.7870, 36.5960



0.6203, 0.7385, 1.7550



# Previews

## White Background



This preview shows how the XYZ color 44.8407, 44.3229, 37.6443 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 XYZ color 44.8407, 44.3229, 37.6443 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](#).

**XYZ 44.8407, 44.3229, 37.6443**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.8407, 44.3229, 37.6443.



This preview shows how white text looks on a background with the XYZ color 44.8407, 44.3229,



# 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

44.8407, 44.3229, 37.6443

### Protanopia

41.9877, 44.2618, 39.1313

### Deuteranopia

45.1923, 44.2226, 37.6064



## Tritanopia

47.2450, 44.1788, 49.7533

# Trichromacy



## Original Color

44.8407, 44.3229, 37.6443

## Protanomaly

42.9874, 44.2049, 38.6145

## Deuteranomaly

44.9208, 44.0827, 37.5937

## Tritanomaly

46.2630, 44.0510, 45.0941

# Monochromacy



## Original Color

44.8407, 44.3229, 37.6443

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

43.3695, 44.5557, 44.8424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.8407, 44.3229, 37.6443 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, 172, 156)` looks like.

```
.text, #text, p{  
    color:rgb(201, 172, 156)  
}
```

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, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 172, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 44.8407, 44.3229, 37.6443 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, 172, 156) }
```



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

```
.border{ border-color:rgb(201, 172, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 172, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(201, 172,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.8407, 44.3229, 37.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 172, 156) }
```

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

```
.background{ background-color: rgb(201,  
172, 156) }
```

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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