

# Converting Colors

XYZ(44.3970, 45.7358, 32.9515)

Have a look what the booklet for  
XYZ(44.3970, 45.7358, 32.9515)  
contains.

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# Color

**XYZ(44.3094, 45.6000,  
32.8519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B190
RGB	199, 177, 144
RGB Percent	78%, 69%, 56%
CMY	0.2196, 0.3059, 0.4353
CMYK	0.00, 0.11, 0.28, 0.22
HSL	36°, 33%, 67%
HSV	36°, 28%, 78%
XYZ	44.3094, 45.6000, 32.8519
YIQ	179.8160, 23.7050, -5.5990

# Conversions

## Conversions Part 2

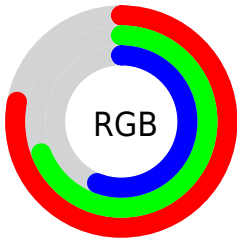
Format	Color
R <sub>Y</sub> B	181, 199, 144
Decimal	13087120
CIE Lab	73.29, 2.84, 19.80
CIE LCh	73, 20.002, 81.826
Yxy	45.6000, 0.3609, 0.3715
Android (android.graphics.Color)	4291277200 (0xFFC7B190)
YUV	179.8160, -17.6573, 16.8244
Hunter-Lab	67.5278, -1.0480, 18.4252

# Details

The XYZ color **44.3094, 45.6000, 32.8519** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.4464, 37.3243, 59.3692**, and the grayscale version is **43.3675, 45.6260, 49.6867**.

A 20% lighter version of the original color is **80.5720, 83.6150, 65.3188**, and **20.8110, 21.3868, 13.3871** is the 20% darker color. If you saturate the color by 10%, you get **41.3944, 41.9932, 25.0262**, and if you desaturate by 10%, it is **47.5866, 49.5016, 42.1221**.

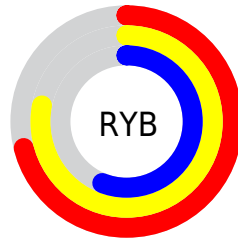
# Distribution



Red (78%)

Green (69%)

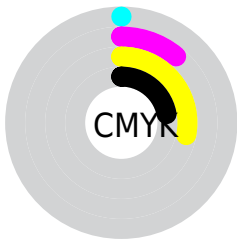
Blue (56%)



Red (71%)

Yellow (78%)

Blue (56%)

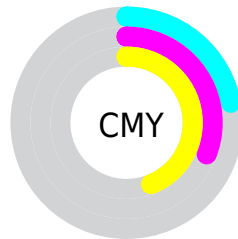


Cyan (0%)

Magenta (11%)

Yellow (28%)

Black (22%)



Cyan (22%)

Magenta (31%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3094, 45.6000, 32.8519 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 44.3094, 45.6000, 32.8519 by changing the saturation by 10% instead.





 44.3094, 45.6000,  
32.8519

 44.3094, 45.6000,  
32.8519


354.8003,  
369.1982, 329.5934

 31.1128, 31.9303,  
21.7428

 80.9266, 83.6200,  
65.2576

 20.8370, 21.3083,  
13.4715


 105.0778,  
108.7392, 87.3913

 13.1167, 13.3495,  
7.6195


133.6114,  
138.4436, 114.0369

 7.5865, 7.6697,  
3.7682

166.8925,  
173.1176, 145.6131

 3.8811, 3.8843,  
1.4991

205.2866,  
213.1457, 182.5382

 1.6351, 1.6091,  
0.2172

249.1590,

 0.4151, 0.3637,

258.9122, 225.2310

0.0000

298.8751,  
310.8016, 274.1099

■ 0.0000, 0.0000,  
0.0000

■ 44.3094, 45.6000,  
32.8519

■ 44.3094, 45.6000,  
32.8519

■ 41.3944, 41.9932,  
25.0262

■ 47.5866, 49.5016,  
42.1221

■ 38.8225, 38.6662,  
18.5676

■ 51.2370, 53.7000,  
52.9031

■ 36.5778, 35.6118,  
13.3955

■ 55.2755, 58.2051,  
65.2607

■ 34.6417, 32.8200,  
9.4197

■ 59.7149, 63.0244,  
79.2558

■ 32.9933, 30.2795,  
6.5382

■ 64.5676, 68.1651,  
94.9460

■ 31.6082, 27.9781,  
4.6317

■ 68.4627, 73.0809,  
105.1054

■ 30.4524, 25.8991,  
3.5290

■ 70.6615, 77.4786,  
105.8384

■ 30.1996, 25.4348,  
3.3177

■ 72.9620, 82.0795,  
106.6052

■ 75.3653, 86.8862,  
107.4063

# Harmonies

## Analogous

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



47.6537, 45.6000, 35.9373



44.3094, 45.6000, 32.8519



40.8773, 45.6000, 33.7643

# Triad

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



44.3094, 45.6000, 32.8519



37.3659, 45.6000, 57.1992



48.8739, 45.6000, 62.5985

# Complementary

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



44.3094, 45.6000, 32.8519



35.4464, 37.3243, 59.3692

# 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.



45.9027, 45.6000, 69.8711



44.3094, 45.6000, 32.8519



39.2975, 45.6000, 66.4721

# Square

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



44.3094, 45.6000, 32.8519



36.9906, 45.6000, 46.9494



42.3877, 45.6000, 71.3770



50.3805, 45.6000, 52.4536



# Rectangle

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



44.3094, 45.6000, 32.8519



38.9893, 45.6000, 36.5801



42.3877, 45.6000, 71.3770



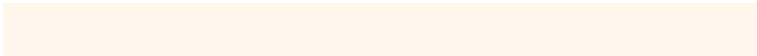
48.0059, 45.6000, 65.5139

# Sweetspot

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



44.3106, 45.6021, 32.8528



89.3900, 93.6597, 91.6614



40.4098, 34.8424, 40.6724



18.9161, 19.8003, 18.9692



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.



44.3106, 45.6021, 32.8528



74.5244, 76.0905, 49.2122



47.5778, 54.2641, 34.3526



11.1543, 11.6777, 11.2289



19.5066, 16.5303, 2.1626



0.9931, 0.9217, 0.1256



# Inverse Universe

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



35.4464, 37.3243, 59.3692



56.5247, 59.2867, 103.0720



32.7685, 30.5074, 58.1945



10.3990, 10.9720, 13.4872



8.5345, 6.4629, 35.5420



0.4747, 0.4471, 1.7064



# Previews

## White Background



This preview shows how the XYZ color 44.3094, 45.6000, 32.8519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

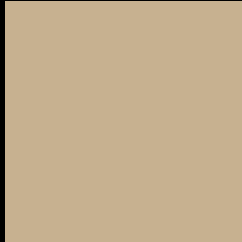
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.3094, 45.6000, 32.8519 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 44.3094, 45.6000, 32.8519**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3094, 45.6000, 32.8519.



This preview shows how white text looks on a background with the XYZ color 44.3094, 45.6000,



# 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

44.3094, 45.6000, 32.8519

### Protanopia

42.9180, 45.7632, 33.3592

### Deuteranopia

46.6327, 45.6331, 33.1383



## Tritanopia

48.2217, 45.4660, 52.1332

# Trichromacy



## Original Color

44.3094, 45.6000, 32.8519

## Protanomaly

43.4791, 45.7539, 33.3278

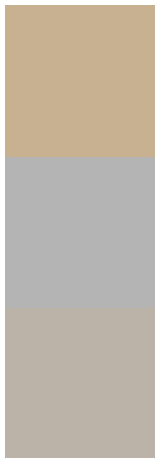
## Deuteranomaly

45.7005, 45.4382, 33.1498

## Tritanomaly

46.5564, 45.3460, 44.3291

# Monochromacy



## Original Color

44.3094, 45.6000, 32.8519

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

43.5887, 45.5950, 43.0626

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3094, 45.6000, 32.8519 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(199, 177, 144)` looks like.

```
.text, #text, p{  
    color:rgb(199, 177, 144)  
}
```

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(199, 177, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 177, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3094, 45.6000, 32.8519 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(199, 177, 144) }
```



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

```
.border{ border-color:rgb(199, 177, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 177, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 177, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 177, 144);  
box-shadow:4px 4px 4px 4px rgb(199, 177,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3094, 45.6000, 32.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 177, 144) }
```

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

```
.background{ background-color: rgb(199,  
177, 144) }
```

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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