

# Converting Colors

XYZ(43.7408, 45.0894, 35.1104)

Have a look what the booklet for  
XYZ(43.7408, 45.0894, 35.1104)  
contains.

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# **Color**

**XYZ(43.7953, 44.9884,  
35.2295)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4B096
RGB	196, 176, 150
RGB Percent	77%, 69%, 59%
CMY	0.2314, 0.3098, 0.4118
CMYK	0.00, 0.10, 0.23, 0.23
HSL	34°, 28%, 68%
HSV	34°, 23%, 77%
XYZ	43.7953, 44.9884, 35.2295
YIQ	179.0160, 20.2660, -3.8460

# Conversions

## Conversions Part 2

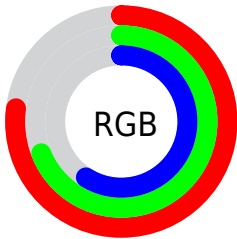
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 196, 150
Decimal	12890262
CIELab	72.88, 3.07, 15.95
CIELCh	73, 16.238, 79.113
Yxy	44.9884, 0.3532, 0.3628
Android (android.graphics.Color)	4291080342 (0xFFC4B096)
YUV	179.0160, -14.3049, 14.8950
Hunter-Lab	67.0734, -0.8276, 15.8100

# Details

The XYZ color **43.7953, 44.9884, 35.2295** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.9160, 39.2181, 57.8490**, and the grayscale version is **42.9235, 45.1588, 49.1780**.

A 20% lighter version of the original color is **80.2637, 82.9555, 68.9084**, and **20.6151, 21.0669, 14.7842** is the 20% darker color. If you saturate the color by 10%, you get **40.7290, 41.1737, 27.0613**, and if you desaturate by 10%, it is **47.2329, 49.1225, 44.8250**.

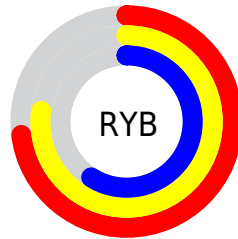
# Distribution



Red (77%)

Green (69%)

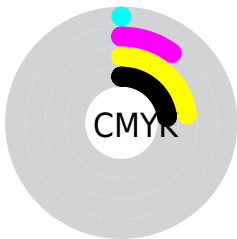
Blue (59%)



Red (73%)

Yellow (77%)

Blue (59%)

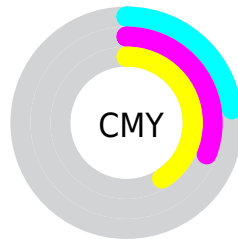


Cyan (0%)

Magenta (10%)

Yellow (23%)

Black (23%)



Cyan (23%)

Magenta (31%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7953, 44.9884, 35.2295 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 43.7953, 44.9884, 35.2295 by changing the saturation by 10% instead.





 43.7953, 44.9884,  
35.2295

 43.7953, 44.9884,  
35.2295


352.7386,  
366.7266, 340.5152

 30.7068, 31.4483,  
23.5547


 80.1579, 82.7030,  
68.9967

 20.5264, 20.9404,  
14.7945


 104.1627,  
107.6463, 91.9263

 12.8888, 13.0805,  
8.5303


132.5370,  
137.1594, 119.4446

 7.4285, 7.4840,  
4.3435

165.6462,  
171.6268, 151.9701

 3.7802, 3.7666,  
1.8156

203.8556,  
211.4328, 189.9213

 1.5785, 1.5439,  
0.4382

247.5306,

 0.3784, 0.3193,

256.9618, 233.7169

0.0000

297.0365,  
308.5983, 283.7753

0.0000, 0.0000,  
0.0000

43.7953, 44.9884,  
35.2295

43.7953, 44.9884,  
35.2295

40.7290, 41.1737,  
27.0613

47.2329, 49.1225,  
44.8250

38.0154, 37.6633,  
20.2477

51.0522, 53.5785,  
55.9098

35.6395, 34.4495,  
14.7141

55.2678, 58.3667,  
68.5458

33.5836, 31.5220,  
10.3772

59.8921, 63.4948,  
82.7905

31.8279, 28.8698,  
7.1439

64.9373, 68.9705,  
98.6983

■ 30.3503, 26.4803,  
4.9068

■ 68.3185, 73.9626,  
105.2832

■ 29.1239, 24.3393,  
3.5370

■ 70.7085, 78.7427,  
106.0799

■ 28.4277, 23.0610,  
2.9529

■ 73.2156, 83.7568,  
106.9156

■ 75.8412, 89.0080,  
107.7908

# Harmonies

## Analogous

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



46.4187, 44.9884, 38.1306



43.7953, 44.9884, 35.2295



41.0045, 44.9884, 35.6956

# Triad

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



43.7953, 44.9884, 35.2295



37.8258, 44.9884, 54.2622



47.0037, 44.9884, 59.9006

# Complementary

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



43.7953, 44.9884, 35.2295



36.9160, 39.2181, 57.8490

# 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.



44.5652, 44.9884, 65.2200



43.7953, 44.9884, 35.2295



39.2990, 44.9884, 61.7249

# Square

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



43.7953, 44.9884, 35.2295



37.6400, 44.9884, 46.1021



41.7414, 44.9884, 65.9221



48.3247, 44.9884, 51.9850



# Rectangle

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



43.7953, 44.9884, 35.2295



39.4210, 44.9884, 37.8689



41.7414, 44.9884, 65.9221



46.2826, 44.9884, 62.0872

# Sweetspot

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



43.7965, 44.9904, 35.2304



89.8824, 94.0520, 93.6523



40.9939, 36.4778, 43.2591



19.1468, 20.0243, 19.7782



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.



43.7965, 44.9904, 35.2304



76.4955, 77.9952, 56.1507



47.4165, 53.1119, 36.6072



10.5350, 11.0015, 10.6301



18.3529, 14.9915, 1.9263



0.8605, 0.7828, 0.1057



# Inverse Universe

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



36.9160, 39.2181, 57.8490



61.9297, 65.7774, 104.0400



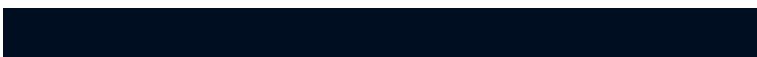
33.8758, 32.5032, 56.7131



9.8804, 10.4521, 12.7815



8.5820, 6.9205, 34.4401



0.4392, 0.4359, 1.5109



# Previews

## White Background



This preview shows how the XYZ color 43.7953, 44.9884, 35.2295 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

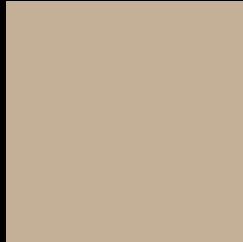
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7953, 44.9884, 35.2295 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

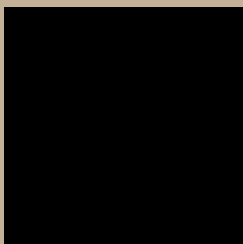
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

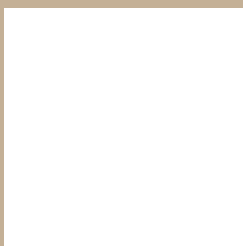
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.7953, 44.9884, 35.2295**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7953, 44.9884, 35.2295.



This preview shows how white text looks on a background with the XYZ color 43.7953, 44.9884,



# 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

43.7953, 44.9884, 35.2295

### Protanopia

42.4451, 45.1659, 35.7590

### Deuteranopia

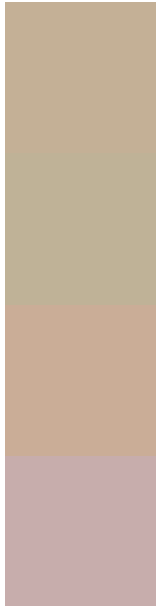
45.7920, 44.8612, 35.5237



## Tritanopia

47.0341, 44.8659, 51.5284

# Trichromacy



## Original Color

43.7953, 44.9884, 35.2295

## Protanomaly

42.9922, 45.1515, 35.7273

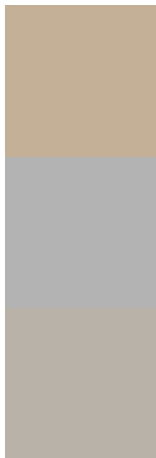
## Deuteranomaly

44.8866, 44.6781, 35.5361

## Tritanomaly

45.9432, 45.0078, 45.2956

# Monochromacy



## Original Color

43.7953, 44.9884, 35.2295

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

42.9959, 44.9822, 43.4621

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7953, 44.9884, 35.2295 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(196, 176, 150)` looks like.

```
.text, #text, p{  
    color:rgb(196, 176, 150)  
}
```

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(196, 176, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 176, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7953, 44.9884, 35.2295 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(196, 176, 150) }
```



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

```
.border{ border-color:rgb(196, 176, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 176, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 176, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 176, 150);  
box-shadow:4px 4px 4px 4px rgb(196, 176,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7953, 44.9884, 35.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 176, 150) }
```

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

```
.background{ background-color: rgb(196,  
176, 150) }
```

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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