

# Converting Colors

XYZ(41.2698, 42.7850, 36.6550)

Have a look what the booklet for  
XYZ(41.2698, 42.7850, 36.6550)  
contains.

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# Color

**XYZ(41.2698, 42.7850,  
36.6550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBAD9A
RGB	187, 173, 154
RGB Percent	73%, 68%, 60%
CMY	0.2667, 0.3216, 0.3961
CMYK	0.00, 0.07, 0.18, 0.27
HSL	35°, 20%, 67%
HSV	35°, 18%, 73%
XYZ	41.2698, 42.7850, 36.6550
YIQ	175.0200, 14.4430, -2.9410

# Conversions

## Conversions Part 2

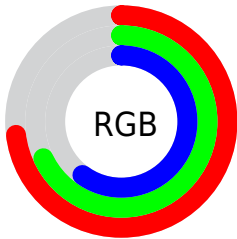
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	178, 187, 154
Decimal	12299674
CIE <sub>Lab</sub>	71.41, 1.86, 11.57
CIE <sub>LCh</sub>	71, 11.723, 80.890
Yxy	42.7850, 0.3419, 0.3544
Android (android.graphics.Color)	4290489754 (0xFFBBAD9A)
YUV	175.0200, -10.3629, 10.5065
Hunter-Lab	65.4102, -1.8455, 12.5619

# Details

The XYZ color **41.2698, 42.7850, 36.6550** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2985, 38.4623, 52.5248**, and the grayscale version is **40.8055, 42.9306, 46.7514**.

A 20% lighter version of the original color is **76.0907, 79.0956, 70.9311**, and **19.1171, 19.7223, 15.6312** is the 20% darker color. If you saturate the color by 10%, you get **38.3564, 39.2594, 28.5892**, and if you desaturate by 10%, it is **44.5184, 46.5921, 46.0306**.

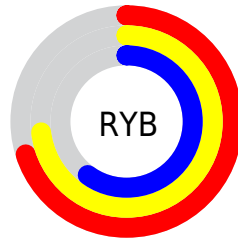
# Distribution



Red (73%)

Green (68%)

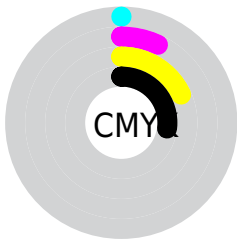
Blue (60%)



Red (70%)

Yellow (73%)

Blue (60%)

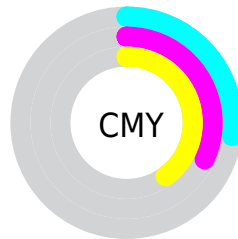


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (27%)



Cyan (27%)

Magenta (32%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2698, 42.7850, 36.6550 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 41.2698, 42.7850, 36.6550 by changing the saturation by 10% instead.





 41.2698, 42.7850,  
36.6550


 41.2698, 42.7850,  
36.6550


342.4903,  
357.7268, 346.9380

 28.7186, 29.7165,  
24.6468

 76.3654, 79.3863,  
71.2222

 19.0112, 19.6235,  
15.5975


 99.6405, 103.6879,  
94.6184

 11.7824, 12.1216,  
9.0885

127.2209,  
132.5026, 122.6475

 6.6669, 6.8266,  
4.7014

159.4720,  
166.2148, 155.7283

 3.2991, 3.3539,  
2.0175

196.7591,  
205.2089, 194.2792

 1.3138, 1.3192,  
0.5660

239.4477,

 0.1935, 0.1560,

249.8694, 238.7187

0.0000

287.9030,  
300.5806, 289.4655

■ 0.0000, 0.0000,  
0.0000

■ 41.2698, 42.7850,  
36.6550

■ 41.2698, 42.7850,  
36.6550

■ 38.3564, 39.2594,  
28.5892

■ 44.5184, 46.5921,  
46.0306

■ 35.7622, 36.0019,  
21.7711

■ 48.1109, 50.6822,  
56.7691

■ 33.4744, 33.0065,  
16.1374

■ 52.0596, 55.0640,  
68.9237

■ 31.4784, 30.2646,  
11.6181

■ 56.3755, 59.7443,  
82.5440

■ 29.7579, 27.7671,  
8.1359

■ 61.0687, 64.7293,  
97.6774

■ 28.2946, 25.5037,  
5.6033

■ 64.2925, 69.2826,  
104.5920

■ 27.0674, 23.4632,  
3.9182

■ 66.4312, 73.5600,  
105.3049

■ 26.0458, 21.6305,  
2.9287

■ 68.6701, 78.0379,  
106.0513

■ 25.8234, 21.2243,  
2.7357

■ 71.0105, 82.7186,  
106.8314

# Harmonies

## Analogous

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



43.1076, 42.7850, 38.6492



41.2698, 42.7850, 36.6550



39.3273, 42.7850, 37.1494

# Triad

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



41.2698, 42.7850, 36.6550



37.2216, 42.7850, 50.5705



43.6829, 42.7850, 53.7851

# Complementary

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



41.2698, 42.7850, 36.6550



36.2985, 38.4623, 52.5248

# 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.



42.0345, 42.7850, 57.4980



41.2698, 42.7850, 36.6550



38.3181, 42.7850, 55.5402

# Square

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



41.2698, 42.7850, 36.6550



37.0319, 42.7850, 44.8856



40.0678, 42.7850, 58.1650



44.5301, 42.7850, 48.3280



# Rectangle

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



41.2698, 42.7850, 36.6550



38.2313, 42.7850, 38.8413



40.0678, 42.7850, 58.1650



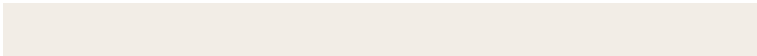
43.2016, 42.7850, 55.2964

# Sweetspot

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



41.2709, 42.7869, 36.6559



81.3229, 85.2761, 87.1379



39.1454, 36.5149, 42.1779



17.8114, 18.6676, 18.9010



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



41.2709, 42.7869, 36.6559



71.9197, 74.2404, 60.0476



43.5628, 48.1635, 37.5729



9.9740, 10.4240, 10.0630



17.8652, 14.7691, 1.9091



0.7633, 0.7056, 0.0960



# Inverse Universe

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



36.2985, 38.4623, 52.5248



61.4282, 65.1166, 93.5325



34.2748, 33.7875, 51.7292



9.3402, 9.8727, 12.0855



8.1906, 6.4929, 33.2145



0.3857, 0.3841, 1.3227



# Previews

## White Background



This preview shows how the XYZ color 41.2698, 42.7850, 36.6550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

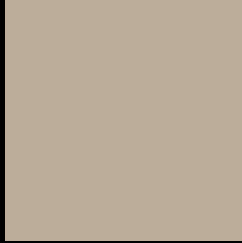
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2698, 42.7850, 36.6550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

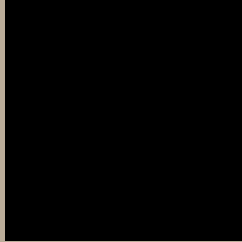
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.2698, 42.7850, 36.6550

## Background



This preview shows how black text looks on a background with the XYZ color 41.2698, 42.7850, 36.6550.



This preview shows how white text looks on a background with the XYZ color 41.2698, 42.7850,

36.6550.

# 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

41.2698, 42.7850, 36.6550

### Protanopia

40.5809, 42.7059, 37.1146

### Deuteranopia

43.6575, 42.8846, 36.9869



## Tritanopia

44.1173, 42.8297, 50.1977

# Trichromacy



## Original Color

41.2698, 42.7850, 36.6550

## Protanomaly

40.8196, 42.8290, 37.1257

## Deuteranomaly

42.7968, 42.7181, 37.0001

## Tritanomaly

43.0563, 42.6752, 44.9975

# Monochromacy



## Original Color

41.2698, 42.7850, 36.6550

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

40.7015, 42.6458, 42.6455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2698, 42.7850, 36.6550 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(187, 173, 154)` looks like.

```
.text, #text, p{  
    color:rgb(187, 173, 154)  
}
```

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(187, 173, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 173, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2698, 42.7850, 36.6550 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(187, 173, 154) }
```



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

```
.border{ border-color:rgb(187, 173, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 173, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 173, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 173, 154);  
box-shadow:4px 4px 4px 4px rgb(187, 173,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2698, 42.7850, 36.6550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 173, 154) }
```

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

```
.background{ background-color: rgb(187,  
173, 154) }
```

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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