

# Converting Colors

XYZ(47.0534, 46.6708, 42.5353)

Have a look what the booklet for  
XYZ(47.0534, 46.6708, 42.5353)  
contains.

<b>XYZ(47.2337, 46.8940, 42.6384)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.2337, 46.8940,  
42.6384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBB1A6
RGB	203, 177, 166
RGB Percent	80%, 69%, 65%
CMY	0.2039, 0.3059, 0.3490
CMYK	0.00, 0.13, 0.18, 0.20
HSL	18°, 26%, 72%
HSV	18°, 18%, 80%
XYZ	47.2337, 46.8940, 42.6384
YIQ	183.5200, 19.0270, 2.0910

# Conversions

## Conversions Part 2

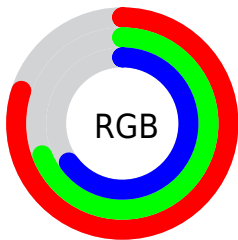
Format	Color
R <sub>Y</sub> B	203, 182, 166
Decimal	13349286
CIE Lab	74.12, 7.59, 9.06
CIE LCh	74, 11.816, 50.064
Yxy	46.8940, 0.3454, 0.3429
Android (android.graphics.Color)	4291539366 (0xFFCBB1A6)
YUV	183.5200, -8.6374, 17.0840
Hunter-Lab	68.4792, 3.2822, 11.0187

# Details

The XYZ color **47.2337, 46.8940, 42.6384** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.3547, 50.1169, 63.7834**, and the grayscale version is **45.3352, 47.6961, 51.9411**.

A 20% lighter version of the original color is **83.4301, 84.7583, 80.3694**, and **22.6393, 22.0198, 18.9766** is the 20% darker color. If you saturate the color by 10%, you get **42.8453, 40.8656, 32.7022**, and if you desaturate by 10%, it is **52.2131, 53.6331, 54.2229**.

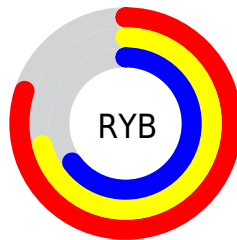
# Distribution



Red (80%)

Green (69%)

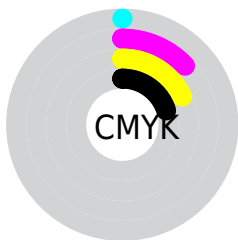
Blue (65%)



Red (80%)

Yellow (71%)

Blue (65%)

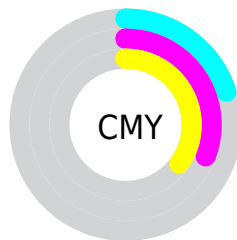


Cyan (0%)

Magenta (13%)

Yellow (18%)

Black (20%)



Cyan (20%)

Magenta (31%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2337, 46.8940, 42.6384 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 47.2337, 46.8940, 42.6384 by changing the saturation by 10% instead.





 47.2337, 46.8940,  
42.6384


 47.2337, 46.8940,  
42.6384


366.3799,  
374.3913, 373.0000

 33.4292, 32.9519,  
29.2722


 85.2790, 85.5554,  
80.4454

 22.6162, 22.0896,  
19.0395


 110.2504,  
111.0434, 105.7233

 14.4295, 13.9227,  
11.5217


139.6749,  
141.1489, 135.8088

 8.5037, 8.0669,  
6.3003

173.9177,  
176.2561, 171.1205

 4.4734, 4.1378,  
2.9568

213.3443,  
216.7496, 212.0770

 1.9733, 1.7510,  
1.0726

258.3200,

 0.6189, 0.4563,

263.0137, 259.0967

0.0000

309.2101,  
315.4328, 312.5982

■ 0.0000, 0.0000,  
0.0000

■ 47.2337, 46.8940,  
42.6384

■ 47.2337, 46.8940,  
42.6384

■ 42.8453, 40.8656,  
32.7022

■ 52.2131, 53.6331,  
54.2229

■ 39.0214, 35.5181,  
24.3358

■ 57.8011, 61.0991,  
67.5233

■ 35.7389, 30.8288,  
17.4588

■ 64.0193, 69.3152,  
82.6069

■ 32.9715, 26.7712,  
11.9825

■ 70.8872, 78.3021,  
99.5366

■ 30.6908, 23.3170,  
7.8087

■ 76.3443, 87.2477,  
107.4245

■ 28.8650, 20.4356,  
4.8259

■ 78.4388, 91.4366,  
108.1226

■ 27.4581, 18.0931,  
2.9039

■ 26.4206, 16.2488,  
1.8472

■ 26.2642, 15.9675,  
1.6978

# Harmonies

## Analogous

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



48.5022, 46.8940, 47.1666



47.2337, 46.8940, 42.6384



45.2769, 46.8940, 40.4235

# Triad

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



47.2337, 46.8940, 42.6384



40.6837, 46.8940, 49.0758



45.9814, 46.8940, 62.8017

# Complementary

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



47.2337, 46.8940, 42.6384



45.3547, 50.1169, 63.7834

# 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.



43.8732, 46.8940, 63.4147



47.2337, 46.8940, 42.6384



40.8589, 46.8940, 55.1611

# Square

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



47.2337, 46.8940, 42.6384



41.5248, 46.8940, 43.9409



42.0110, 46.8940, 60.5224



47.7634, 46.8940, 58.9084



# Rectangle

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



47.2337, 46.8940, 42.6384



43.8643, 46.8940, 40.4273



42.0110, 46.8940, 60.5224



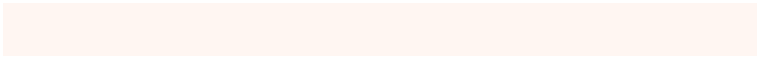
45.2859, 46.8940, 63.4095

# Sweetspot

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



47.2350, 46.8961, 42.6394



90.2731, 93.6229, 97.5145



47.8371, 43.7983, 56.1030



19.1830, 19.8528, 20.5425



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.



47.2350, 46.8961, 42.6394



75.9867, 74.2779, 64.3041



51.0234, 54.4729, 43.9022



11.4797, 11.7484, 11.7421



16.7842, 10.3013, 1.1037



0.9326, 0.6649, 0.0792

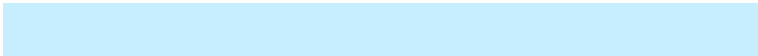


# Inverse Universe

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



45.3547, 50.1169, 63.7834



72.2432, 80.6815, 106.3732



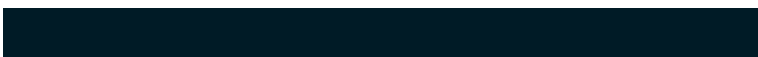
41.6453, 42.6980, 62.5469



11.2506, 12.1417, 14.3210



13.1580, 15.3401, 38.2237



0.7430, 0.9197, 1.9933



# Previews

## White Background



This preview shows how the XYZ color 47.2337, 46.8940, 42.6384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

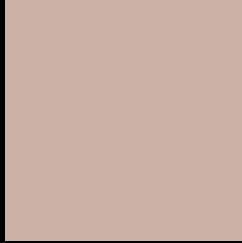
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2337, 46.8940, 42.6384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

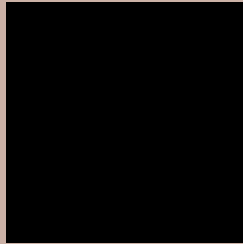
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.2337, 46.8940, 42.6384**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2337, 46.8940, 42.6384.



This preview shows how white text looks on a background with the XYZ color 47.2337, 46.8940,



# 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

47.2337, 46.8940, 42.6384

### Protanopia

44.7821, 47.1019, 43.7771

### Deuteranopia

47.8619, 46.9257, 42.6114



## Tritanopia

49.5593, 46.9818, 53.4700

# Trichromacy



## Original Color

47.2337, 46.8940, 42.6384

## Protanomaly

45.5444, 46.9019, 43.2117

## Deuteranomaly

47.5851, 46.7830, 42.5984

## Tritanomaly

48.6435, 46.8938, 49.1354

# Monochromacy



## Original Color

47.2337, 46.8940, 42.6384

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.9455, 47.2984, 48.3029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2337, 46.8940, 42.6384 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(203, 177, 166)` looks like.

```
.text, #text, p{  
    color:rgb(203, 177, 166)  
}
```

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(203, 177, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 177, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2337, 46.8940, 42.6384 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(203, 177, 166) }
```



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

```
.border{ border-color:rgb(203, 177, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 177, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 177, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 177, 166);  
box-shadow:4px 4px 4px 4px rgb(203, 177,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2337, 46.8940, 42.6384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 177, 166) }
```

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

```
.background{ background-color: rgb(203,  
177, 166) }
```

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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