

# Converting Colors

XYZ(47.1149, 42.1487, 37.1052)

Have a look what the booklet for  
XYZ(47.1149, 42.1487, 37.1052)  
contains.

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# Color

**XYZ(47.1868, 42.2936,  
37.1290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A09C
RGB	217, 160, 156
RGB Percent	85%, 63%, 61%
CMY	0.1490, 0.3725, 0.3882
CMYK	0.00, 0.26, 0.28, 0.15
HSL	4°, 45%, 73%
HSV	4°, 28%, 85%
XYZ	47.1868, 42.2936, 37.1290
YIQ	176.5870, 35.2560, 10.8400

# Conversions

## Conversions Part 2

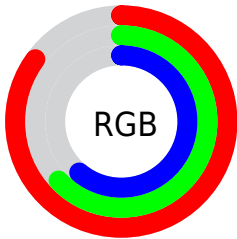
Format	Color
R <sub>Y</sub> B	217, 160, 156
Decimal	14262428
CIE Lab	71.07, 20.60, 10.40
CIE LCh	71, 23.073, 26.787
Yxy	42.2936, 0.3727, 0.3340
Android (android.graphics.Color)	4292452508 (0xFFD9A09C)
YUV	176.5870, -10.1494, 35.4422
Hunter-Lab	65.0335, 15.7067, 11.6736

# Details

The XYZ color **47.1868, 42.2936, 37.1290** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.0282, 59.6643, 74.5254**, and the grayscale version is **41.6129, 43.7800, 47.6764**.

A 20% lighter version of the original color is **77.1733, 74.5140, 71.2879**, and **22.6103, 19.3221, 15.9024** is the 20% darker color. If you saturate the color by 10%, you get **42.2781, 35.1587, 27.2226**, and if you desaturate by 10%, it is **52.9993, 50.7102, 48.9571**.

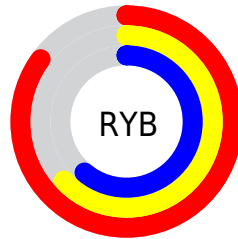
# Distribution



Red (85%)

Green (63%)

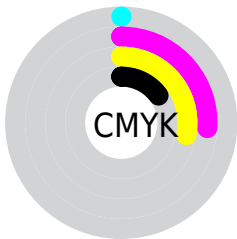
Blue (61%)



Red (85%)

Yellow (63%)

Blue (61%)

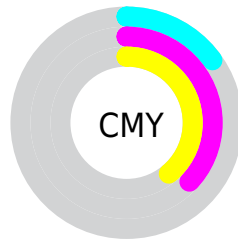


Cyan (0%)

Magenta (26%)

Yellow (28%)

Black (15%)



Cyan (15%)

Magenta (37%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1868, 42.2936, 37.1290 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 47.1868, 42.2936, 37.1290 by changing the saturation by 10% instead.





 47.1868, 42.2936,  
37.1290


 47.1868, 42.2936,  
37.1290


366.1961,  
355.6986, 349.0542

 33.3919, 29.3313,  
25.0108


 85.2094, 78.6438,  
71.9597

 22.5875, 19.3316,  
15.8660


 110.1679,  
102.8004, 95.5093

 14.4082, 11.9101,  
9.2761


139.5783,  
131.4573, 123.7064

 8.4887, 6.6825,  
4.8224

173.8059,  
164.9987, 156.9696

 4.4637, 3.2643,  
2.0865

213.2161,  
203.8092, 195.7175

 1.9676, 1.2712,  
0.6077

258.1744,

 0.6157, 0.1188,

248.2731, 240.3685

0.0000

309.0459,  
298.7747, 291.3412

■ 0.0000, 0.0000,  
0.0000

■ 47.1868, 42.2936,  
37.1290

■ 47.1868, 42.2936,  
37.1290

■ 42.2781, 35.1587,  
27.2226

■ 52.9993, 50.7102,  
48.9571

■ 38.2246, 29.2371,  
19.1340

■ 59.7542, 60.4608,  
62.7982

■ 34.9782, 24.4630,  
12.7535

■ 67.4921, 71.6019,  
78.7408

■ 32.4848, 20.7619,  
7.9583

■ 76.2502, 84.1852,  
96.8674

■ 30.6835, 18.0508,  
4.6096

■ 82.4253, 93.4917,  
108.3092

■ 29.5040, 16.2343,  
2.5442

■ 28.8553, 15.1958,  
1.5300

■ 28.7757, 15.0724,  
1.3926

# Harmonies

## Analogous

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



48.0645, 42.2936, 47.2508



47.1868, 42.2936, 37.1290



44.3980, 42.2936, 30.4728

# Triad

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



47.1868, 42.2936, 37.1290



34.3097, 42.2936, 35.3721



39.7847, 42.2936, 70.6690

# Complementary

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



47.1868, 42.2936, 37.1290



50.0282, 59.6643, 74.5254

# 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.



36.2731, 42.2936, 66.1966



47.1868, 42.2936, 37.1290



33.2417, 42.2936, 44.8708

# Square

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



47.1868, 42.2936, 37.1290



36.9493, 42.2936, 29.5781



33.9372, 42.2936, 56.2977



43.6335, 42.2936, 67.7238



# Rectangle

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



47.1868, 42.2936, 37.1290



41.9173, 42.2936, 28.3186



33.9372, 42.2936, 56.2977



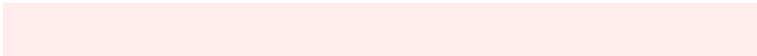
38.5280, 42.2936, 69.9679

# Sweetspot

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



47.1879, 42.2956, 37.1299



86.1556, 87.1909, 90.5832



52.6353, 43.3816, 69.1843



18.1051, 18.1783, 18.6989



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.



47.1879, 42.2956, 37.1299



63.4702, 54.3671, 44.3411



52.9325, 53.7846, 39.0447



13.1243, 13.1880, 13.5794



17.4463, 9.1781, 0.8520



1.1549, 0.6439, 0.0634



# Inverse Universe

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



50.0282, 59.6643, 74.5254



68.2336, 83.5202, 107.1325



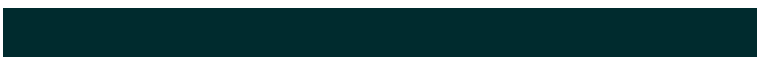
43.2616, 46.1311, 72.2698



13.3679, 14.6755, 16.7802



20.5050, 28.8795, 44.2320

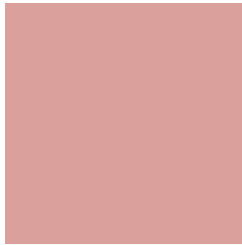


1.3509, 1.9160, 2.8731



# Previews

## White Background



This preview shows how the XYZ color 47.1868, 42.2936, 37.1290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

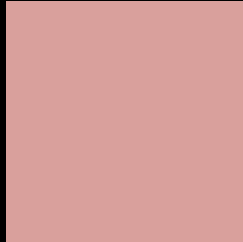
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1868, 42.2936, 37.1290 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 47.1868, 42.2936, 37.1290**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1868, 42.2936, 37.1290.



This preview shows how white text looks on a background with the XYZ color 47.1868, 42.2936,

37.1290.

# 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

47.1868, 42.2936, 37.1290

### Protanopia

40.5693, 42.6197, 40.7385

### Deuteranopia

43.2077, 42.3776, 36.9127



## Tritanopia

48.3960, 42.2614, 43.6367

# Trichromacy



## Original Color

47.1868, 42.2936, 37.1290

## Protanomaly

42.5254, 42.2515, 39.1717

## Deuteranomaly

44.5484, 42.2560, 36.8186

## Tritanomaly

48.1031, 42.4183, 41.2496

# Monochromacy



## Original Color

47.1868, 42.2936, 37.1290

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

43.4626, 43.1969, 43.5832

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1868, 42.2936, 37.1290 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(217, 160, 156)` looks like.

```
.text, #text, p{  
    color:rgb(217, 160, 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(217, 160, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 160, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1868, 42.2936, 37.1290 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(217, 160, 156) }
```



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

```
.border{ border-color:rgb(217, 160, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 160, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 160, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 160, 156);  
box-shadow:4px 4px 4px 4px rgb(217, 160,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1868, 42.2936, 37.1290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 160, 156) }
```

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

```
.background{ background-color: rgb(217,  
160, 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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