

Converting Colors

XYZ(37.7735, 36.9580, 12.9575)

Have a look what the booklet for
XYZ(37.7735, 36.9580, 12.9575)
contains.

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Color

**XYZ(37.7308, 36.9276,
12.9237)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9C51
RGB	202, 156, 81
RGB Percent	79%, 61%, 32%
CMY	0.2078, 0.3882, 0.6823
CMYK	0.00, 0.23, 0.60, 0.21
HSL	37°, 53%, 55%
HSV	37°, 60%, 79%
XYZ	37.7308, 36.9276, 12.9237
YIQ	161.2040, 51.4910, -13.5730

Conversions

Conversions Part 2

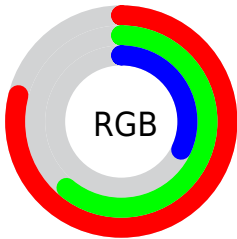
Format	Color
RYB	155, 202, 81
Decimal	13278289
CIELab	67.22, 8.75, 45.20
CIElCh	67, 46.038, 79.041
Yxy	36.9276, 0.4308, 0.4216
Android (android.graphics.Color)	4291468369 (0xFFCA9C51)
YUV	161.2040, -39.5406, 35.7781
Hunter-Lab	60.7681, 4.4862, 29.9283

Details

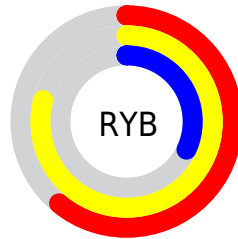
The XYZ color **37.7308, 36.9276, 12.9237** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **21.6430, 21.1914, 58.8265**, and the grayscale version is **34.1334, 35.9110, 39.1071**.

A 20% lighter version of the original color is **68.4515, 69.0191, 31.5440**, and **16.9760, 16.2218, 3.5327** is the 20% darker color. If you saturate the color by 10%, you get **35.8353, 34.1738, 9.0945**, and if you desaturate by 10%, it is **39.9349, 39.9380, 17.9679**.

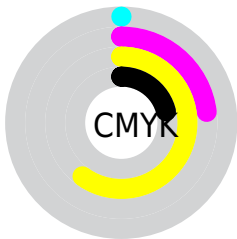
Distribution



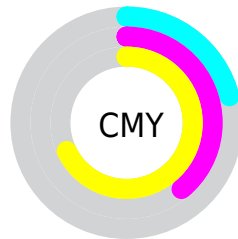
- Red (79%)
- Green (61%)
- Blue (32%)



- Red (61%)
- Yellow (79%)
- Blue (32%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (21%)



- Cyan (21%)
- Magenta (39%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7308, 36.9276, 12.9237 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 37.7308, 36.9276, 12.9237 by changing the saturation by 10% instead.

37.7308, 36.9276,
12.9237

37.7308, 36.9276,
12.9237

327.7646,
332.9970, 221.6187

25.9501, 25.1514,
7.2459

71.0019, 70.4614,
31.8558

16.9188, 16.1899,
3.5356

93.2230, 92.9879,
45.9472

10.2715, 9.6586,
1.3742

119.6549,
119.8665, 63.6803

5.6430, 5.1732,
0.1215

150.6631,
151.4818, 85.4735

2.6678, 2.3493,
0.0000

186.6127,
188.2181, 111.7454

0.9806, 0.7996,
0.0000

227.8693,

0.0000, 0.0000,

230.4598, 142.9145

0.0000

274.7982,
278.5913, 179.3995

■ 37.7308, 36.9276,
12.9237

■ 37.7308, 36.9276,
12.9237

■ 35.8353, 34.1738,
9.0945

■ 39.9349, 39.9380,
17.9679

■ 34.2235, 31.6601,
6.3689

■ 42.4644, 43.2098,
24.3209

■ 32.8703, 29.3753,
4.6183

■ 45.3380, 46.7542,
32.0697

■ 31.7287, 27.2981,
3.6026

■ 48.5719, 50.5798,
41.2931

■ 31.7178, 27.2781,
3.5935

■ 52.1812, 54.6949,
52.0640

■ 56.1801, 59.1073,
64.4504

■ 60.5819, 63.8243,
78.5163

■ 65.3993, 68.8530,
94.3221

■ 69.3625, 73.6874,
105.1750

Harmonies

Analogous

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



44.7232, 36.9276, 17.4906



37.7308, 36.9276, 12.9237



30.8719, 36.9276, 13.5975

Triad

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



37.7308, 36.9276, 12.9237



23.8114, 36.9276, 54.2019



46.3248, 36.9276, 71.2877

Complementary

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



37.7308, 36.9276, 12.9237



21.6430, 21.1914, 58.8265

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.



39.6945, 36.9276, 89.0099



37.7308, 36.9276, 12.9237



26.9645, 36.9276, 77.0884

Square

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



37.7308, 36.9276, 12.9237



23.4328, 36.9276, 33.2900



32.5917, 36.9276, 91.4295



50.1076, 36.9276, 48.0233

Rectangle

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



37.7308, 36.9276, 12.9237



27.2562, 36.9276, 17.0169



32.5917, 36.9276, 91.4295



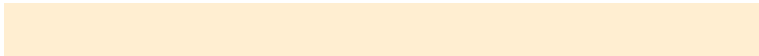
44.3171, 36.9276, 78.3807

Sweetspot

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



37.7317, 36.9294, 12.9244



83.2054, 86.7571, 72.7469



31.1555, 19.9840, 22.4255



17.4431, 18.1447, 14.5004



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.



37.7317, 36.9294, 12.9244



59.7830, 56.5056, 13.7845



43.3160, 53.5115, 15.8308



11.7817, 12.3523, 11.8427



20.4984, 17.7297, 2.3418



1.1293, 1.0582, 0.1447

Inverse Universe

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



21.6430, 21.1914, 58.8265



30.2310, 27.6808, 98.3573



18.3348, 12.5887, 57.3403



10.9454, 11.5313, 14.2192



8.6378, 6.2996, 36.7170



0.5183, 0.4703, 1.9184

Previews

White Background



This preview shows how the XYZ color 37.7308, 36.9276, 12.9237 looks on a white background.

Color Contrast Check

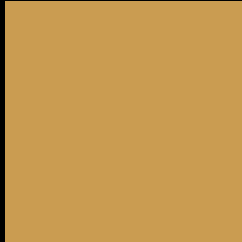
Large Text (above 18pt) WCAG AA × Fail

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 37.7308, 36.9276, 12.9237 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 37.7308, 36.9276, 12.9237

Background



This preview shows how black text looks on a background with the XYZ color 37.7308, 36.9276, 12.9237.



This preview shows how white text looks on a background with the XYZ color 37.7308, 36.9276,

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

37.7308, 36.9276, 12.9237

Protanopia

33.9317, 37.0148, 13.7437

Deuteranopia

37.7308, 36.9276, 12.9237



Tritanopia

42.7042, 36.7805, 37.6495

Trichromacy



Original Color

37.7308, 36.9276, 12.9237

Protanomaly

35.2925, 36.9331, 13.4523

Deuteranomaly

37.7308, 36.9276, 12.9237

Tritanomaly

40.4567, 36.5732, 26.3998

Monochromacy



Original Color

37.7308, 36.9276, 12.9237

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.4675, 35.6923, 26.9025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7308, 36.9276, 12.9237 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(202, 156, 81)` looks like.

```
.text, #text, p{  
    color:rgb(202, 156, 81)  
}
```

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(202, 156, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 156, 81) }
```

Border

The CSS property to change the border of an element to XYZ 37.7308, 36.9276, 12.9237 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(202, 156, 81) }
```


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

```
.border{ border-color:rgb(202, 156, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 156, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 156, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 156, 81);  
box-shadow:4px 4px 4px 4px rgb(202, 156,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7308, 36.9276, 12.9237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 156, 81) }
```

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

```
.background{ background-color: rgb(202,  
156, 81) }
```

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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