

Converting Colors

XYZ(37.5337, 39.8521, 10.1993)

Have a look what the booklet for
XYZ(37.5337, 39.8521, 10.1993)
contains.

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Color

**XYZ(37.4260, 39.7101,
10.1071)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A73D
RGB	196, 167, 61
RGB Percent	77%, 65%, 24%
CMY	0.2314, 0.3451, 0.7608
CMYK	0.00, 0.15, 0.69, 0.23
HSL	47°, 53%, 50%
HSV	47°, 69%, 77%
XYZ	37.4260, 39.7101, 10.1071
YIQ	163.5870, 51.3100, -26.8180

Conversions

Conversions Part 2

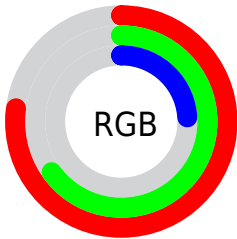
Format	Color
RYB	98, 196, 61
Decimal	12887869
CIELab	69.26, -1.03, 56.45
CIELCh	69, 56.458, 91.048
Yxy	39.7101, 0.4290, 0.4552
Android (android.graphics.Color)	4291077949 (0xFFC4A73D)
YUV	163.5870, -50.5754, 28.4262
Hunter-Lab	63.0160, -4.2644, 34.6017

Details

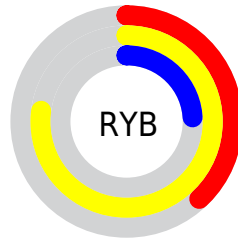
The XYZ color **37.4260, 39.7101, 10.1071** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.5444, 12.2896, 53.7772**, and the grayscale version is **35.3067, 37.1454, 40.4514**.

A 20% lighter version of the original color is **70.3985, 74.7175, 26.6311**, and **16.7782, 17.7504, 2.5419** is the 20% darker color. If you saturate the color by 10%, you get **36.2331, 38.0205, 7.5639**, and if you desaturate by 10%, it is **38.8387, 41.5309, 13.6760**.

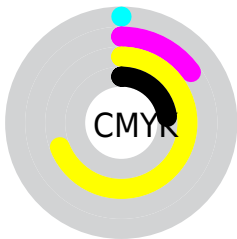
Distribution



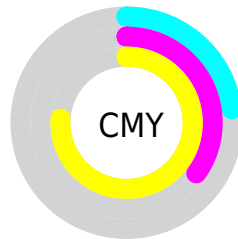
- Red (77%)
- Green (65%)
- Blue (24%)



- Red (38%)
- Yellow (77%)
- Blue (24%)



- Cyan (0%)
- Magenta (15%)
- Yellow (69%)
- Black (23%)



- Cyan (23%)
- Magenta (35%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4260, 39.7101, 10.1071 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 37.4260, 39.7101, 10.1071 by changing the saturation by 10% instead.

■ 37.4260, 39.7101,
10.1071

■ 37.4260, 39.7101,
10.1071

326.4748,
344.9002, 201.9473

■ 25.7127, 27.3126,
5.3635

■ 70.5371, 74.7219,
26.6077

■ 16.7404, 17.8081,
2.3996

■ 92.6655, 98.1049,
39.2018

■ 10.1437, 10.8123,
0.7862

■ 118.9964,
125.9186, 55.2498

■ 5.5573, 5.9408,
0.0000

■ 149.8951,
158.5473, 75.1702

■ 2.6159, 2.8091,
0.0000

■ 185.7269,
196.3754, 99.3817

■ 0.9541, 1.0329,
0.0000

226.8573,

■ 0.0000, 0.0000,

239.7873, 128.3026

0.0000

273.6514,
289.1674, 162.3516

■ 37.4260, 39.7101,
10.1071

■ 37.4260, 39.7101,
10.1071

■ 36.2331, 38.0205,
7.5639

■ 38.8387, 41.5309,
13.6760

■ 35.2348, 36.4470,
5.9270

■ 40.4877, 43.4852,
18.3677

■ 34.3947, 34.9761,
5.0015

■ 42.3906, 45.5820,
24.2707

■ 34.3045, 34.8149,
4.9119

■ 44.5626, 47.8277,
31.4637

■ 47.0178, 50.2283,
40.0192

■ 49.7689, 52.7893,
50.0038

■ 52.8281, 55.5158,
61.4801

■ 56.2067, 58.4128,
74.5069

■ 59.9154, 61.4848,
89.1395

Harmonies

Analogous

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



46.8052, 39.7101, 12.6548



37.4260, 39.7101, 10.1071



29.4640, 39.7101, 13.0607

Triad

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



37.4260, 39.7101, 10.1071



24.7161, 39.7101, 74.3560



55.1016, 39.7101, 72.1136

Complementary

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



37.4260, 39.7101, 10.1071



15.5444, 12.2896, 53.7772

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.



47.4442, 39.7101, 101.5003



37.4260, 39.7101, 10.1071



29.9336, 39.7101, 103.1182

Square

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



37.4260, 39.7101, 10.1071



22.8862, 39.7101, 44.1551



38.0623, 39.7101, 114.6196



57.9429, 39.7101, 42.3328

Rectangle

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



37.4260, 39.7101, 10.1071



25.7677, 39.7101, 18.8724



38.0623, 39.7101, 114.6196



52.9509, 39.7101, 82.7257

Sweetspot

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



37.4269, 39.7120, 10.1079



84.0356, 89.8983, 68.4592



26.2900, 15.8160, 11.3964



17.7165, 18.9789, 13.7056



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.



37.4269, 39.7120, 10.1079



64.6162, 67.3043, 11.9047



34.6338, 47.0605, 11.6735



10.7239, 11.3793, 10.6931



22.1070, 22.4997, 3.1777



1.0021, 1.0659, 0.1529

Inverse Universe

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



15.5444, 12.2896, 53.7772



22.6174, 14.8540, 96.2828



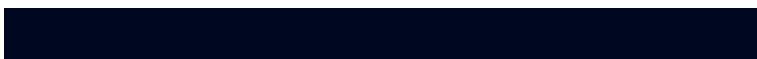
16.8059, 9.9902, 53.2669



9.6998, 10.0909, 12.7213



6.9887, 3.7340, 33.9090



0.3539, 0.2652, 1.4824

Previews

White Background



This preview shows how the XYZ color 37.4260, 39.7101, 10.1071 looks on a white background.

Color Contrast Check

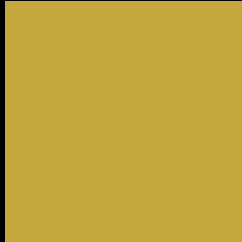
Large Text (above 18pt) WCAG AA × Fail

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 37.4260, 39.7101, 10.1071 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 37.4260, 39.7101, 10.1071

Background



This preview shows how black text looks on a background with the XYZ color 37.4260, 39.7101, 10.1071.

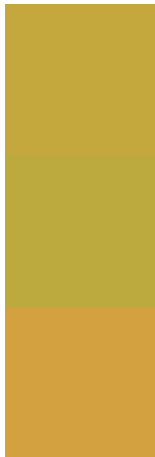


This preview shows how white text looks on a background with the XYZ color 37.4260, 39.7101,

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

37.4260, 39.7101, 10.1071

Protanopia

36.2305, 39.9161, 10.3524

Deuteranopia

40.5060, 39.6975, 10.2301



Tritanopia

43.8582, 39.4415, 42.3472

Trichromacy



Original Color

37.4260, 39.7101, 10.1071

Protanomaly

36.7957, 39.9302, 10.3254

Deuteranomaly

39.4203, 39.6640, 10.1357

Tritanomaly

40.6206, 39.1441, 26.1835

Monochromacy



Original Color

37.4260, 39.7101, 10.1071

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.1904, 37.6727, 25.4955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4260, 39.7101, 10.1071 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, 167, 61)` looks like.

```
.text, #text, p{  
    color:rgb(196, 167, 61)  
}
```

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, 167, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 167, 61) }
```

Border

The CSS property to change the border of an element to XYZ 37.4260, 39.7101, 10.1071 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, 167, 61) }
```


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

```
.border{ border-color:rgb(196, 167, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 167, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 167, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 167, 61);  
box-shadow:4px 4px 4px 4px rgb(196, 167,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4260, 39.7101, 10.1071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 167, 61) }
```

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

```
.background{ background-color: rgb(196,  
167, 61) }
```

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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