

# Converting Colors

XYZ(37.1233, 34.7124, 10.4721)

Have a look what the booklet for  
XYZ(37.1233, 34.7124, 10.4721)  
contains.

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# Color

**XYZ(37.1490, 34.7438,  
10.5426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE9446
RGB	206, 148, 70
RGB Percent	81%, 58%, 27%
CMY	0.1922, 0.4196, 0.7255
CMYK	0.00, 0.28, 0.66, 0.19
HSL	34°, 58%, 54%
HSV	34°, 66%, 81%
XYZ	37.1490, 34.7438, 10.5426
YIQ	156.4500, 59.6060, -11.9620

# Conversions

## Conversions Part 2

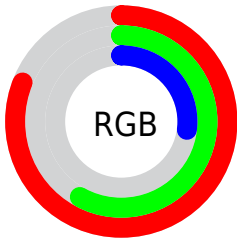
Format	Color
<a href="#">RYB</a>	<a href="#">171, 206, 70</a>
Decimal	<a href="#">13538374</a>
CIELab	<a href="#">65.55, 14.07, 48.76</a>
CIELCh	<a href="#">66, 50.752, 73.906</a>
Yxy	<a href="#">34.7438, 0.4506, 0.4215</a>
Android (android.graphics.Color)	<a href="#">4291728454</a> (0xFFCE9446)
YUV	<a href="#">156.4500, -42.6198, 43.4554</a>
Hunter-Lab	<a href="#">58.9439, 9.3467, 30.6562</a>

# Details

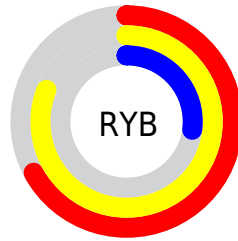
The XYZ color **37.1490, 34.7438, 10.5426** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.3851, 21.1957, 61.3563**, and the grayscale version is **31.9680, 33.6329, 36.6262**.

A 20% lighter version of the original color is **65.8117, 64.8815, 27.1439**, and **16.5966, 14.8890, 2.5714** is the 20% darker color. If you saturate the color by 10%, you get **35.2810, 31.8762, 7.2437**, and if you desaturate by 10%, it is **39.3462, 37.9132, 15.0520**.

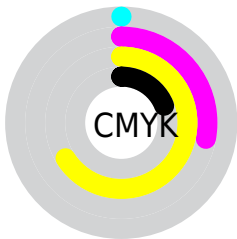
# Distribution



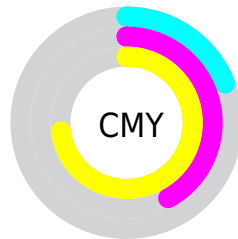
- Red (81%)
- Green (58%)
- Blue (27%)



- Red (67%)
- Yellow (81%)
- Blue (27%)



- Cyan (0%)
- Magenta (28%)
- Yellow (66%)
- Black (19%)




- Cyan (19%)
- Magenta (42%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1490, 34.7438, 10.5426 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 37.1490, 34.7438, 10.5426 by changing the saturation by 10% instead.





 37.1490, 34.7438,  
10.5426


 37.1490, 34.7438,  
10.5426


325.2995,  
323.4360, 205.1255


 25.4971, 23.4656,  
5.6499


 70.1142, 67.0887,  
27.4348


 16.5785, 14.9377,  
2.5681


 92.1583, 88.9241,  
40.2714


 10.0279, 8.7757,  
0.8759


 118.3970,  
115.0475, 56.5930

 5.4798, 4.5951,  
0.0000

 149.1959,  
145.8431, 76.8182

 2.5691, 2.0117,  
0.0000

 184.9202,  
181.6953, 101.3655

 0.9302, 0.6143,  
0.0000

225.9354,

 0.0000, 0.0000,

222.9887, 130.6535

0.0000

272.6067,  
270.1074, 165.1006

■ 37.1490, 34.7438,  
10.5426

■ 37.1490, 34.7438,  
10.5426

■ 35.2810, 31.8762,  
7.2437

■ 39.3462, 37.9132,  
15.0520

■ 33.7136, 29.2911,  
5.0265

■ 41.8929, 41.3919,  
20.8788

■ 32.4153, 26.9735,  
3.7335

■ 44.8103, 45.1933,  
28.1203

■ 31.9501, 26.1150,  
3.3567

■ 48.1171, 49.3282,  
36.8639

■ 51.8304, 53.8067,  
47.1901

■ 55.9662, 58.6384,  
59.1735

■ 60.5395, 63.8324,  
72.8837

■ 65.5648, 69.3976,  
88.3867

■ 70.9907, 75.3162,  
105.4036

# Harmonies

## Analogous

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



44.4379, 34.7438, 15.9392



37.1490, 34.7438, 10.5426



29.7031, 34.7438, 10.3708

# Triad

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



37.1490, 34.7438, 10.5426



20.9933, 34.7438, 48.5542



43.9688, 34.7438, 75.6859

# Complementary

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



37.1490, 34.7438, 10.5426



21.3851, 21.1957, 61.3563

# 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.



36.5813, 34.7438, 93.1551



37.1490, 34.7438, 10.5426



23.7521, 34.7438, 73.9434

# Square

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



37.1490, 34.7438, 10.5426



21.0980, 34.7438, 27.5724



29.2143, 34.7438, 92.4188



48.7610, 34.7438, 50.3605



# Rectangle

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



37.1490, 34.7438, 10.5426



25.6691, 34.7438, 12.9991



29.2143, 34.7438, 92.4188



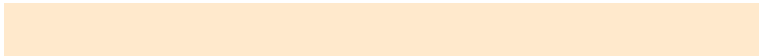
41.6621, 34.7438, 83.0322

# Sweetspot

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



37.1498, 34.7455, 10.5433



81.3493, 84.0402, 69.0605



31.6019, 19.0856, 22.7643



17.0484, 17.5484, 13.7735



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.



37.1498, 34.7455, 10.5433



56.1009, 49.9333, 10.1161



46.1852, 56.4459, 14.2556



11.7376, 12.2641, 11.8280



19.7719, 16.2768, 2.0996



1.0943, 0.9883, 0.1331



# Inverse Universe

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



21.3851, 21.1957, 61.3563



28.8460, 26.5892, 98.2196



16.5610, 10.5020, 59.5465



10.9885, 11.6174, 14.2336



9.0931, 7.2101, 36.8687



0.5438, 0.5214, 1.9269



# Previews

## White Background



This preview shows how the XYZ color 37.1490, 34.7438, 10.5426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

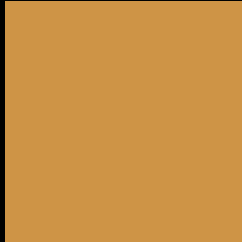
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.1490, 34.7438, 10.5426 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 37.1490, 34.7438, 10.5426**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.1490, 34.7438, 10.5426.



This preview shows how white text looks on a background with the XYZ color 37.1490, 34.7438,



# 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

37.1490, 34.7438, 10.5426

### Protanopia

31.9383, 34.9831, 11.5477

### Deuteranopia

35.5911, 34.8919, 10.4892



## Tritanopia

41.8890, 34.6643, 33.3372

# Trichromacy



## Original Color

37.1490, 34.7438, 10.5426

## Protanomaly

33.8301, 34.9493, 11.2662

## Deuteranomaly

36.2282, 34.9804, 10.4727

## Tritanomaly

39.7025, 34.4281, 22.6419

# Monochromacy



## Original Color

37.1490, 34.7438, 10.5426

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

32.5485, 33.2618, 24.1067

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1490, 34.7438, 10.5426 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(206, 148, 70)` looks like.

```
.text, #text, p{  
    color:rgb(206, 148, 70)  
}
```

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(206, 148, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 148, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1490, 34.7438, 10.5426 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(206, 148, 70) }
```



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

```
.border{ border-color:rgb(206, 148, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 148, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 148, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 148, 70);  
box-shadow:4px 4px 4px 4px rgb(206, 148,  
70) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1490, 34.7438, 10.5426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 148, 70) }
```

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

```
.background{ background-color: rgb(206,  
148, 70) }
```

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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