

# Converting Colors

XYZ(36.3627, 32.6772, 10.0807)

Have a look what the booklet for  
XYZ(36.3627, 32.6772, 10.0807)  
contains.

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# Color

**XYZ(36.3312, 32.7448,  
10.0357)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF8D45
RGB	207, 141, 69
RGB Percent	81%, 55%, 27%
CMY	0.1882, 0.4470, 0.7294
CMYK	0.00, 0.32, 0.67, 0.19
HSL	31°, 59%, 54%
HSV	31°, 67%, 81%
XYZ	36.3312, 32.7448, 10.0357
YIQ	152.5260, 62.4480, -8.4000

# Conversions

## Conversions Part 2

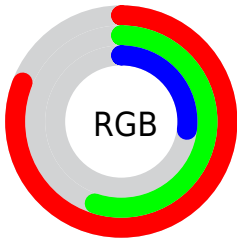
Format	Color
RYP	196, 207, 69
Decimal	13602117
CIELab	63.95, 18.24, 47.51
CIElCh	64, 50.890, 68.995
Yxy	32.7448, 0.4592, 0.4139
Android (android.graphics.Color)	4291792197 (0xFFCF8D45)
YUV	152.5260, -41.1783, 47.7737
Hunter-Lab	57.2231, 13.1901, 29.6580

# Details

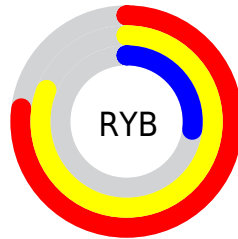
The XYZ color **36.3312, 32.7448, 10.0357** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **22.3802, 23.0970, 62.3099**, and the grayscale version is **30.2272, 31.8013, 34.6317**.

A 20% lighter version of the original color is **64.1453, 61.6463, 26.2874**, and **16.0630, 13.8217, 2.3935** is the 20% darker color. If you saturate the color by 10%, you get **34.4024, 29.7424, 6.7567**, and if you desaturate by 10%, it is **38.6161, 36.1011, 14.5394**.

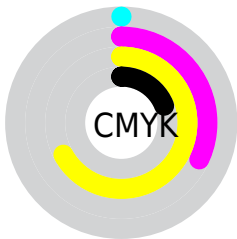
# Distribution



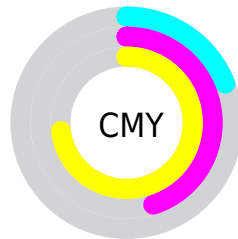
- Red (81%)
- Green (55%)
- Blue (27%)



- Red (77%)
- Yellow (81%)
- Blue (27%)



- Cyan (0%)
- Magenta (32%)
- Yellow (67%)
- Black (19%)




- Cyan (19%)
- Magenta (45%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3312, 32.7448, 10.0357 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 36.3312, 32.7448, 10.0357 by changing the saturation by 10% instead.





 36.3312, 32.7448,  
10.0357


 36.3312, 32.7448,  
10.0357


321.8119,  
314.4982, 201.4207


 24.8614, 21.9310,  
5.3167


 68.8635, 63.9769,  
26.4715


 16.1020, 13.8062,  
2.3723


 90.6567, 85.1640,  
39.0254


 9.6877, 7.9860,  
0.7713


 116.6217,  
110.5777, 55.0280

 5.2530, 4.0860,  
0.0000

 147.1239,  
140.6023, 74.8979

 2.4328, 1.7218,  
0.0000

 182.5287,  
175.6222, 99.0535

 0.8615, 0.4377,  
0.0000

223.2014,

 0.0000, 0.0000,

216.0220, 127.9135

0.0000

269.5073,  
262.1858, 161.8964

■ 36.3312, 32.7448,  
10.0357

■ 36.3312, 32.7448,  
10.0357

■ 34.4024, 29.7424,  
6.7567

■ 38.6161, 36.1011,  
14.5394

■ 32.7995, 27.0724,  
4.5706

■ 41.2791, 39.8212,  
20.3774

■ 31.4879, 24.7167,  
3.3094

■ 44.3426, 43.9207,  
27.6493

■ 31.0953, 23.9920,  
2.9920

■ 47.8265, 48.4122,  
36.4444

■ 51.7490, 53.3079,  
46.8448

■ 56.1275, 58.6192,  
58.9265

■ 60.9779, 64.3570,  
72.7607

■ 66.3155, 70.5317,  
88.4146

■ 72.1063, 77.1340,  
105.6957

# Harmonies

## Analogous

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



43.1154, 32.7448, 16.1315



36.3312, 32.7448, 10.0357



29.0166, 32.7448, 9.1451

# Triad

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



36.3312, 32.7448, 10.0357



19.3946, 32.7448, 42.1906



40.6300, 32.7448, 75.9895

# Complementary

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



36.3312, 32.7448, 10.0357



22.3802, 23.0970, 62.3099

# 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.



33.3288, 32.7448, 90.6035



36.3312, 32.7448, 10.0357



21.5901, 32.7448, 66.7196

# Square

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



36.3312, 32.7448, 10.0357



19.9444, 32.7448, 23.2901



26.4379, 32.7448, 86.6798



45.8502, 32.7448, 51.7627



# Rectangle

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



36.3312, 32.7448, 10.0357



24.9066, 32.7448, 11.0680



26.4379, 32.7448, 86.6798



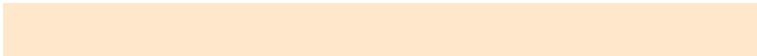
38.2961, 32.7448, 82.5429

# Sweetspot

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



36.3320, 32.7464, 10.0363



80.6061, 82.5537, 68.8128



32.2829, 19.2909, 25.2032



16.8703, 17.1922, 13.7141



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.



36.3320, 32.7464, 10.0363



53.9694, 45.7628, 9.1206



48.4810, 57.9916, 14.2688



12.3118, 12.8142, 12.4365



19.6869, 15.3069, 1.9169



1.1800, 1.0143, 0.1336



# Inverse Universe

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



22.3802, 23.0970, 62.3099



30.0929, 29.2791, 98.6731



16.0114, 10.1125, 60.1392



11.6234, 12.3371, 15.0123



10.0002, 8.6470, 38.3345

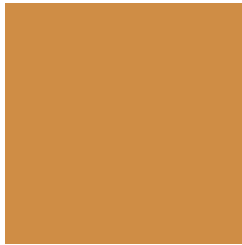


0.6384, 0.6420, 2.1698



# Previews

## White Background



This preview shows how the XYZ color 36.3312, 32.7448, 10.0357 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 36.3312, 32.7448, 10.0357 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 36.3312, 32.7448, 10.0357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.3312, 32.7448, 10.0357.



This preview shows how white text looks on a background with the XYZ color 36.3312, 32.7448,



# 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

36.3312, 32.7448, 10.0357

### Protanopia

30.1378, 33.0420, 11.2679

### Deuteranopia

33.5953, 32.9225, 9.8942



## Tritanopia

40.4968, 32.7553, 30.1746

# Trichromacy



## Original Color

36.3312, 32.7448, 10.0357

## Protanomaly

32.2439, 32.9154, 10.7848

## Deuteranomaly

34.4575, 32.6739, 9.9594

## Tritanomaly

38.5349, 32.5709, 20.7788

# Monochromacy



## Original Color

36.3312, 32.7448, 10.0357

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

31.4939, 31.7843, 22.8874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.3312, 32.7448, 10.0357 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(207, 141, 69)` looks like.

```
.text, #text, p{  
    color:rgb(207, 141, 69)  
}
```

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(207, 141, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 141, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 36.3312, 32.7448, 10.0357 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(207, 141, 69) }
```



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

```
.border{ border-color:rgb(207, 141, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 141, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 141, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 141, 69);  
box-shadow:4px 4px 4px 4px rgb(207, 141,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.3312, 32.7448, 10.0357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 141, 69) }
```

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

```
.background{ background-color: rgb(207,  
141, 69) }
```

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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