

Converting Colors

XYZ(36.8196, 33.3929, 15.0529)

Have a look what the booklet for
XYZ(36.8196, 33.3929, 15.0529)
contains.

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Color

**XYZ(36.7447, 33.2904,
15.0787)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8F5E
RGB	204, 143, 94
RGB Percent	80%, 56%, 37%
CMY	0.2000, 0.4392, 0.6314
CMYK	0.00, 0.30, 0.54, 0.20
HSL	27°, 52%, 58%
HSV	27°, 54%, 80%
XYZ	36.7447, 33.2904, 15.0787
YIQ	155.6530, 52.0850, -2.3070

Conversions

Conversions Part 2

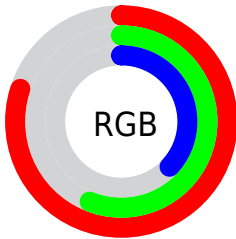
Format	Color
R_YB	204, 182, 94
Decimal	13406046
CIE Lab	64.40, 17.71, 35.14
CIE LCh	64, 39.349, 63.253
Yxy	33.2904, 0.4317, 0.3911
Android (android.graphics.Color)	4291596126 (0xFFCC8F5E)
YUV	155.6530, -30.3949, 42.4003
Hunter-Lab	57.6978, 12.7060, 24.8937

Details

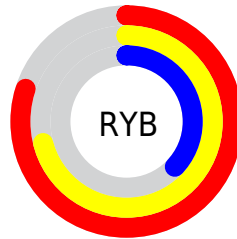
The XYZ color **36.7447, 33.2904, 15.0787** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **27.2360, 30.1808, 61.5166**, and the grayscale version is **31.5608, 33.2045, 36.1597**.

A 20% lighter version of the original color is **66.3171, 63.2368, 35.4987**, and **16.4401, 14.2290, 4.4648** is the 20% darker color. If you saturate the color by 10%, you get **34.3342, 29.7459, 10.3403**, and if you desaturate by 10%, it is **39.5700, 37.2775, 21.1494**.

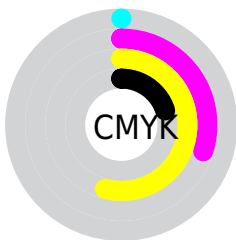
Distribution



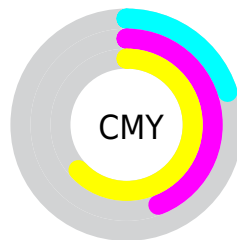
- Red (80%)
- Green (56%)
- Blue (37%)



- Red (80%)
- Yellow (71%)
- Blue (37%)



- Cyan (0%)
- Magenta (30%)
- Yellow (54%)
- Black (20%)



- Cyan (20%)
- Magenta (44%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7447, 33.2904, 15.0787 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 36.7447, 33.2904, 15.0787 by changing the saturation by 10% instead.


 36.7447, 33.2904,
15.0787


 36.7447, 33.2904,
15.0787

323.5787,
316.9563, 235.4992


 25.1827, 22.3490,
8.7274


 69.4963, 64.8287,
35.7354

 16.3426, 14.1136,
4.4694


 91.4166, 86.1943,
50.8780

 9.8593, 8.1997,
1.8862


 117.5204,
111.8035, 69.7880

 5.3673, 4.2230,
0.4840

 148.1730,
142.0406, 92.8840

 2.5013, 1.7991,
0.0000

183.7398,
177.2900, 120.5846

 0.8959, 0.4866,
0.0000

224.5861,

 0.0000, 0.0000,

217.9362, 153.3083

0.0000

271.0772,
264.3635, 191.4737

■ 36.7447, 33.2904,
15.0787

■ 36.7447, 33.2904,
15.0787

■ 34.3342, 29.7459,
10.3403

■ 39.5700, 37.2775,
21.1494

■ 32.3115, 26.6212,
6.8279

■ 42.8299, 41.7188,
28.6436

■ 30.6496, 23.8982,
4.4217

■ 46.5456, 46.6316,
37.6467

■ 29.3157, 21.5550,
2.9763

■ 50.7362, 52.0307,
48.2367

■ 28.6327, 20.2992,
2.4090

■ 55.4194, 57.9301,
60.4861

■ 60.6121, 64.3432,
74.4631

■ 66.3302, 71.2829,
90.2317

■ 72.2326, 78.6189,
105.9756

■ 75.5474, 85.2486,
107.0806

Harmonies

Analogous

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



41.5384, 33.2904, 21.8189



36.7447, 33.2904, 15.0787



31.0339, 33.2904, 13.3375

Triad

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



36.7447, 33.2904, 15.0787



22.0540, 33.2904, 38.0275



37.9275, 33.2904, 68.6759

Complementary

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



36.7447, 33.2904, 15.0787



27.2360, 30.1808, 61.5166

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.



32.2571, 33.2904, 76.6276



36.7447, 33.2904, 15.0787



23.4565, 33.2904, 55.9460

Square

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



36.7447, 33.2904, 15.0787



22.9591, 33.2904, 24.0540



27.0342, 33.2904, 71.3929



42.2760, 33.2904, 51.9912

Rectangle

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



36.7447, 33.2904, 15.0787



27.5741, 33.2904, 14.6397



27.0342, 33.2904, 71.3929



36.0905, 33.2904, 72.6502

Sweetspot

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



36.7455, 33.2920, 15.0793



82.3658, 84.0505, 75.6346



34.9337, 23.2547, 34.2483



17.3140, 17.5851, 15.3862



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.



36.7455, 33.2920, 15.0793



56.1670, 48.2122, 15.8519



46.8129, 53.4268, 18.4351



11.6169, 12.0227, 11.7878



18.1117, 12.9563, 1.5462



1.0097, 0.8190, 0.1049

Inverse Universe

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



27.2360, 30.1808, 61.5166



38.7501, 42.4687, 100.7627



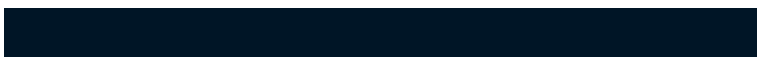
20.2016, 16.1119, 59.1718



11.1089, 11.8582, 14.2737



10.6793, 10.3826, 37.3974



0.6259, 0.6856, 1.9543

Previews

White Background



This preview shows how the XYZ color 36.7447, 33.2904, 15.0787 looks on a white background.

Color Contrast Check

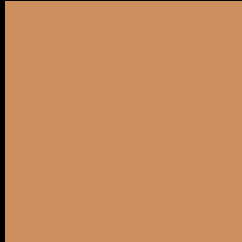
Large Text (above 18pt) WCAG AA × Fail

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 36.7447, 33.2904, 15.0787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

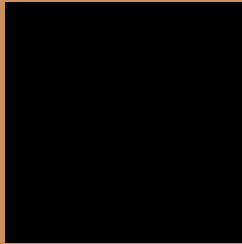
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7447, 33.2904, 15.0787

Background



This preview shows how black text looks on a background with the XYZ color 36.7447, 33.2904, 15.0787.



This preview shows how white text looks on a background with the XYZ color 36.7447, 33.2904,

15.0787.

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

36.7447, 33.2904, 15.0787

Protanopia

30.7182, 33.2238, 16.5982

Deuteranopia

33.9584, 33.2324, 14.9806



Tritanopia

40.0830, 33.1248, 31.8849

Trichromacy



Original Color

36.7447, 33.2904, 15.0787

Protanomaly

32.5157, 32.9414, 15.9538

Deuteranomaly

34.9152, 33.2599, 14.9355

Tritanomaly

38.8610, 33.2891, 24.7993

Monochromacy



Original Color

36.7447, 33.2904, 15.0787

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.5338, 32.7109, 26.7894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7447, 33.2904, 15.0787 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(204, 143, 94)` looks like.

```
.text, #text, p{  
    color:rgb(204, 143, 94)  
}
```

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(204, 143, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 143, 94) }
```

Border

The CSS property to change the border of an element to XYZ 36.7447, 33.2904, 15.0787 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(204, 143, 94) }
```


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

```
.border{ border-color:rgb(204, 143, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 143, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 143, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 143, 94);  
box-shadow:4px 4px 4px 4px rgb(204, 143,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7447, 33.2904, 15.0787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 143, 94) }
```

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

```
.background{ background-color: rgb(204,  
143, 94) }
```

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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