

Converting Colors

XYZ(36.2480, 33.0964, 12.4607)

Have a look what the booklet for
XYZ(36.2480, 33.0964, 12.4607)
contains.

XYZ(36.2473, 33.0915, 12.4595)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.2473, 33.0915,
12.4595)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8F52
RGB	204, 143, 82
RGB Percent	80%, 56%, 32%
CMY	0.2000, 0.4392, 0.6784
CMYK	0.00, 0.30, 0.60, 0.20
HSL	30°, 54%, 56%
HSV	30°, 60%, 80%
XYZ	36.2473, 33.0915, 12.4595
YIQ	154.2850, 55.9370, -6.0390

Conversions

Conversions Part 2

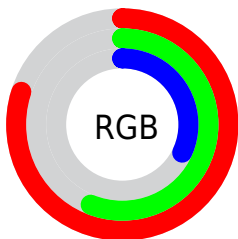
Format	Color
RYB	204, 204, 82
Decimal	13406034
CIELab	64.23, 16.75, 41.24
CIElCh	64, 44.510, 67.894
Yxy	33.0915, 0.4431, 0.4045
Android (android.graphics.Color)	4291596114 (0xFFCC8F52)
YUV	154.2850, -35.6365, 43.6001
Hunter-Lab	57.5252, 11.8058, 27.4259

Details

The XYZ color **36.2473, 33.0915, 12.4595** 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 **24.2007, 25.7972, 60.8303**, and the grayscale version is **30.9757, 32.5889, 35.4893**.

A 20% lighter version of the original color is **65.4399, 62.8860, 30.8795**, and **16.0571, 14.0552, 3.3800** is the 20% darker color. If you saturate the color by 10%, you get **34.1214, 29.9029, 8.4738**, and if you desaturate by 10%, it is **38.7448, 36.6542, 17.7080**.

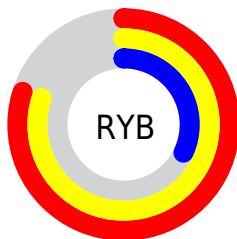
Distribution



Red (80%)

Green (56%)

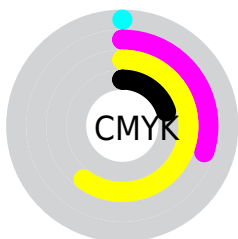
Blue (32%)



Red (80%)

Yellow (80%)

Blue (32%)

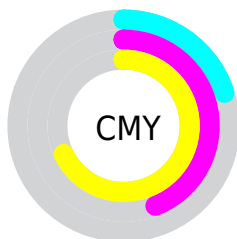


Cyan (0%)

Magenta (30%)

Yellow (60%)

Black (20%)



Cyan (20%)


Magenta (44%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2473, 33.0915, 12.4595 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 36.2473, 33.0915, 12.4595 by changing the saturation by 10% instead.


 36.2473, 33.0915,
12.4595


 36.2473, 33.0915,
12.4595

321.4526,
316.0618, 218.5088


 24.7962, 22.1966,
6.9311


 68.7350, 64.5184,
31.0061


 16.0532, 14.0014,
3.3413


 90.5023, 85.8191,
44.8614


 9.6529, 8.1216,
1.2714


 116.4391,
111.3571, 62.3293

 5.2299, 4.1729,
0.0382

 146.9107,
141.5170, 83.8286

 2.4189, 1.7707,
0.0000

 182.2825,
176.6829, 109.7776

 0.8546, 0.4688,
0.0000

222.9199,

 0.0000, 0.0000,

217.2395, 140.5949

0.0000

269.1881,
263.5710, 176.6992

■ 36.2473, 33.0915,
12.4595

■ 36.2473, 33.0915,
12.4595

■ 34.1214, 29.9029,
8.4738

■ 38.7448, 36.6542,
17.7080

■ 32.3398, 27.0675,
5.6364

■ 41.6335, 40.6005,
24.3162

■ 30.8746, 24.5693,
3.8150

■ 44.9344, 44.9456,
32.3738

■ 29.6759, 22.3821,
2.7676

■ 48.6661, 49.7021,
41.9621

■ 29.6539, 22.3416,
2.7494

■ 52.8457, 54.8823,
53.1563

■ 57.4896, 60.4974,
66.0267

■ 62.6131, 66.5584,
80.6393

■ 68.2308, 73.0760,
97.0564

■ 72.6022, 79.3583,
106.0989

Harmonies

Analogous

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



42.0420, 33.0915, 18.6128



36.2473, 33.0915, 12.4595



29.8138, 33.0915, 11.3943

Triad

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



36.2473, 33.0915, 12.4595



20.8920, 33.0915, 41.0221



39.5165, 33.0915, 71.0353

Complementary

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



36.2473, 33.0915, 12.4595



24.2007, 25.7972, 60.8303

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.



33.1501, 33.0915, 82.6261



36.2473, 33.0915, 12.4595



22.8096, 33.0915, 61.8923

Square

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



36.2473, 33.0915, 12.4595



21.4895, 33.0915, 24.4638



27.1003, 33.0915, 78.8137



44.0986, 33.0915, 50.7676

Rectangle

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



36.2473, 33.0915, 12.4595



26.1063, 33.0915, 13.2052



27.1003, 33.0915, 78.8137



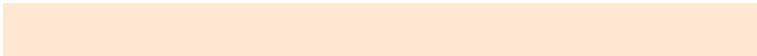
37.4829, 33.0915, 76.3388

Sweetspot

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



36.2481, 33.0931, 12.4601



81.6322, 83.6108, 72.2226



32.8771, 20.8554, 28.2795



17.0592, 17.3768, 14.3724



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.



36.2481, 33.0931, 12.4601



55.5243, 47.9882, 12.3650



48.0175, 56.6321, 16.3833



11.6680, 12.1250, 11.8048



18.7577, 14.2484, 1.7616



1.0436, 0.8869, 0.1162

Inverse Universe

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



24.2007, 25.7972, 60.8303



33.8094, 34.8376, 99.5501



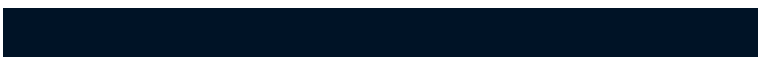
17.3963, 12.1884, 58.5622



11.0574, 11.7552, 14.2566



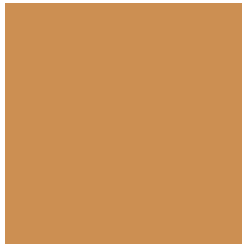
9.9432, 8.9104, 37.1521



0.5889, 0.6115, 1.9419

Previews

White Background



This preview shows how the XYZ color 36.2473, 33.0915, 12.4595 looks on a white background.

Color Contrast Check

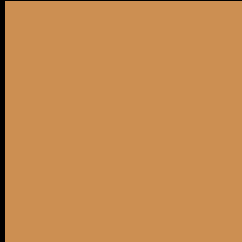
Large Text (above 18pt) WCAG AA × Fail

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 36.2473, 33.0915, 12.4595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

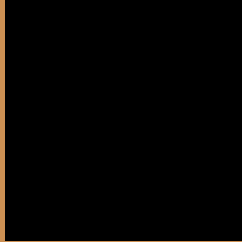
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2473, 33.0915, 12.4595

Background



This preview shows how black text looks on a background with the XYZ color 36.2473, 33.0915, 12.4595.



This preview shows how white text looks on a background with the XYZ color 36.2473, 33.0915,

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

36.2473, 33.0915, 12.4595

Protanopia

30.6220, 33.2357, 13.8180

Deuteranopia

33.9709, 33.2954, 12.4208



Tritanopia

40.2870, 33.2390, 31.4865

Trichromacy



Original Color

36.2473, 33.0915, 12.4595

Protanomaly

32.4735, 32.9794, 13.2485

Deuteranomaly

34.6839, 33.1973, 12.3643

Tritanomaly

38.5399, 33.1607, 23.1083

Monochromacy



Original Color

36.2473, 33.0915, 12.4595

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.8159, 32.1419, 24.9492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2473, 33.0915, 12.4595 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 143, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 143, 82) }
```

Border

The CSS property to change the border of an element to XYZ 36.2473, 33.0915, 12.4595 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, 82) }
```


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

```
.border{ border-color:rgb(204, 143, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 143, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 143, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 143,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2473, 33.0915, 12.4595 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, 82) }
```

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

```
.background{ background-color: rgb(204,  
143, 82) }
```

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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