

Converting Colors

XYZ(33.8385, 28.3414, 10.7717)

Have a look what the booklet for
XYZ(33.8385, 28.3414, 10.7717)
contains.

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Color

**XYZ(33.9772, 28.4367,
10.7192)**

Conversions

Conversions Part 1

Format	Color
Hex	CD7E4D
RGB	205, 126, 77
RGB Percent	80%, 49%, 30%
CMY	0.1961, 0.5059, 0.6980
CMYK	0.00, 0.39, 0.62, 0.20
HSL	23°, 56%, 55%
HSV	23°, 62%, 80%
XYZ	33.9772, 28.4367, 10.7192
YIQ	144.0350, 62.8130, 1.5090

Conversions

Conversions Part 2

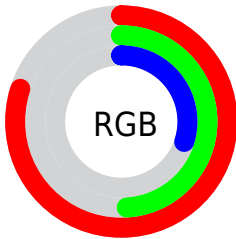
Format	Color
RYB	205, 156, 77
Decimal	13467213
CIELab	60.28, 26.06, 39.17
CIELCh	60, 47.047, 56.366
Yxy	28.4367, 0.4646, 0.3888
Android (android.graphics.Color)	4291657293 (0xFFCD7E4D)
YUV	144.0350, -33.0483, 53.4663
Hunter-Lab	53.3261, 20.4123, 25.4102

Details

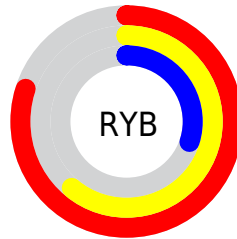
The XYZ color **33.9772, 28.4367, 10.7192** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.9676, 29.7607, 62.1328**, and the grayscale version is **26.6353, 28.0224, 30.5164**.

A 20% lighter version of the original color is **61.1909, 55.0325, 27.4759**, and **14.6728, 11.3736, 2.6503** is the 20% darker color. If you saturate the color by 10%, you get **31.8475, 25.1591, 6.9836**, and if you desaturate by 10%, it is **36.5409, 32.2177, 15.7249**.

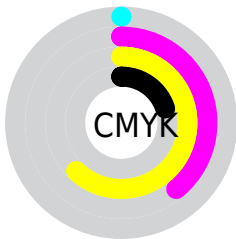
Distribution



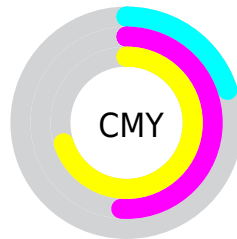
- Red (80%)
- Green (49%)
- Blue (30%)



- Red (80%)
- Yellow (61%)
- Blue (30%)



- Cyan (0%)
- Magenta (39%)
- Yellow (62%)
- Black (20%)




- Cyan (20%)
- Magenta (51%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9772, 28.4367, 10.7192 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 33.9772, 28.4367, 10.7192 by changing the saturation by 10% instead.


 33.9772, 28.4367,
10.7192


 33.9772, 28.4367,
10.7192

311.6181,
294.5478, 206.3986


 23.0389, 18.6551,
5.7666


 65.2427, 57.1809,
27.7684


 14.7431, 11.4213,
2.6372


 86.3007, 76.9123,
40.7021


 8.7244, 6.3510,
0.9116


 111.4625,
100.7291, 57.1331

 4.6175, 3.0597,
0.0000

 141.0937,
129.0157, 77.4802

 2.0571, 1.1630,
0.0000

 175.5594,
162.1564, 102.1617

 0.6657, 0.0311,
0.0000

215.2252,

 0.0000, 0.0000,

200.5358, 131.5962

0.0000

260.4563,
244.5381, 166.2024

■ 33.9772, 28.4367,
10.7192

■ 33.9772, 28.4367,
10.7192

■ 31.8475, 25.1591,
6.9836

■ 36.5409, 32.2177,
15.7249

■ 30.1200, 22.3563,
4.3969

■ 39.5631, 36.5199,
22.1038

■ 28.7605, 20.0029,
2.8160

■ 43.0688, 41.3653,
29.9498

■ 27.9356, 18.4970,
2.0979

■ 47.0803, 46.7734,
39.3482

■ 51.6183, 52.7625,
50.3776

■ 56.7025, 59.3502,
63.1114

■ 62.3514, 66.5530,
77.6182

■ 68.5825, 74.3871,
93.9632

■ 74.3481, 82.4420,
106.6021

Harmonies

Analogous

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



38.8131, 28.4367, 18.4263



33.9772, 28.4367, 10.7192



27.7703, 28.4367, 8.2315

Triad

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



33.9772, 28.4367, 10.7192



17.0242, 28.4367, 28.9041



32.5152, 28.4367, 71.2949

Complementary

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



33.9772, 28.4367, 10.7192



25.9676, 29.7607, 62.1328

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.



26.2995, 28.4367, 77.3705



33.9772, 28.4367, 10.7192



17.9088, 28.4367, 48.1877

Square

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



33.9772, 28.4367, 10.7192



18.4735, 28.4367, 15.9642



21.0979, 28.4367, 67.6854



37.8846, 28.4367, 53.2542

Rectangle

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



33.9772, 28.4367, 10.7192



23.8891, 28.4367, 8.7720



21.0979, 28.4367, 67.6854



30.4310, 28.4367, 75.0381

Sweetspot

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



33.9779, 28.4382, 10.7197



79.3996, 79.6472, 69.9321



34.0079, 20.7579, 34.5921



16.5516, 16.4590, 13.9032



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.



33.9779, 28.4382, 10.7197



51.0999, 39.5105, 9.7463



44.4851, 49.4526, 14.2221



11.5585, 11.9060, 11.7683



17.4765, 11.6860, 1.3345



0.9744, 0.7485, 0.0931

Inverse Universe

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



25.9676, 29.7607, 62.1328



36.8308, 41.6670, 100.7091



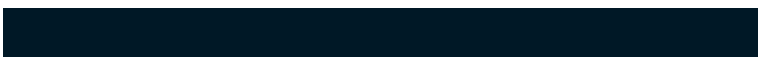
18.0888, 14.0031, 59.5066



11.1685, 11.9775, 14.2936



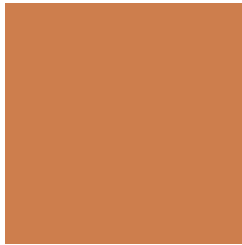
11.6401, 12.3042, 37.7177



0.6725, 0.7787, 1.9698

Previews

White Background



This preview shows how the XYZ color 33.9772, 28.4367, 10.7192 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9772, 28.4367, 10.7192 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 × Fail

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

XYZ 33.9772, 28.4367, 10.7192

Background



This preview shows how black text looks on a background with the XYZ color 33.9772, 28.4367, 10.7192.



This preview shows how white text looks on a background with the XYZ color 33.9772, 28.4367,

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

33.9772, 28.4367, 10.7192

Protanopia

26.3763, 28.6714, 12.5315

Deuteranopia

29.0591, 28.5434, 10.4564



Tritanopia

36.6913, 28.4278, 24.3222

Trichromacy



Original Color

33.9772, 28.4367, 10.7192

Protanomaly

28.6223, 28.2894, 11.7364

Deuteranomaly

30.5341, 28.2496, 10.5000

Tritanomaly

35.5061, 28.3103, 18.3449

Monochromacy



Original Color

33.9772, 28.4367, 10.7192

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.0617, 27.3544, 21.5702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9772, 28.4367, 10.7192 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(205, 126, 77)` looks like.

```
.text, #text, p{  
    color:rgb(205, 126, 77)  
}
```

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(205, 126, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 126, 77) }
```

Border

The CSS property to change the border of an element to XYZ 33.9772, 28.4367, 10.7192 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(205, 126, 77) }
```


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

```
.border{ border-color:rgb(205, 126, 77) }
```

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

Here you see how a box with a 4 pixel rgb(205, 126, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 126, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 126, 77);  
box-shadow:4px 4px 4px 4px rgb(205, 126,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9772, 28.4367, 10.7192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 126, 77) }
```

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

```
.background{ background-color: rgb(205,  
126, 77) }
```

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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