

Converting Colors

XYZ(33.6827, 28.0303, 14.1579)

Have a look what the booklet for
XYZ(33.6827, 28.0303, 14.1579)
contains.

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Color

**XYZ(33.7111, 28.0319,
14.2236)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7D5E
RGB	202, 125, 94
RGB Percent	79%, 49%, 37%
CMY	0.2078, 0.5098, 0.6314
CMYK	0.00, 0.38, 0.53, 0.21
HSL	17°, 50%, 58%
HSV	17°, 53%, 79%
XYZ	33.7111, 28.0319, 14.2236
YIQ	144.4890, 55.8430, 6.6830

Conversions

Conversions Part 2

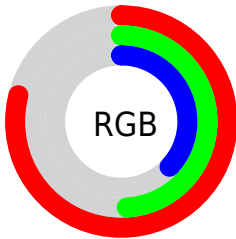
Format	Color
RYB	202, 137, 94
Decimal	13270366
CIELab	59.92, 26.70, 29.41
CIElCh	60, 39.722, 47.771
Yxy	28.0319, 0.4438, 0.3690
Android (android.graphics.Color)	4291460446 (0xFFCA7D5E)
YUV	144.4890, -24.8911, 50.4371
Hunter-Lab	52.9452, 21.0000, 21.1335

Details

The XYZ color **33.7111, 28.0319, 14.2236** 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 **29.8389, 35.7681, 61.2082**, and the grayscale version is **26.7889, 28.1840, 30.6924**.

A 20% lighter version of the original color is **62.2712, 55.1451, 34.1501**, and **14.5308, 11.1667, 4.0789** is the 20% darker color. If you saturate the color by 10%, you get **31.2278, 24.3310, 9.4940**, and if you desaturate by 10%, it is **36.6973, 32.3592, 20.2915**.

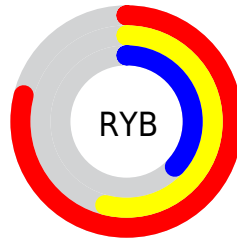
Distribution



Red (79%)

Green (49%)

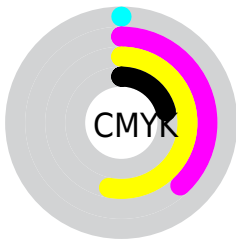
Blue (37%)



Red (79%)

Yellow (54%)

Blue (37%)

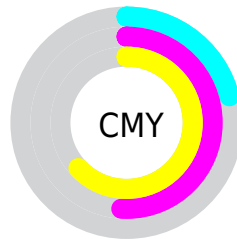


Cyan (0%)

Magenta (38%)

Yellow (53%)

Black (21%)



Cyan (21%)


Magenta (51%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7111, 28.0319, 14.2236 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 33.7111, 28.0319, 14.2236 by changing the saturation by 10% instead.


 33.7111, 28.0319,
14.2236


 33.7111, 28.0319,
14.2236


310.4506,
292.6193, 230.0940

 22.8336, 18.3497,
8.1358

 64.8314, 56.5354,
34.2081

 14.5907, 11.2014,
4.0930


 85.8050, 76.1254,
48.9418

 8.6171, 6.2024,
1.6765


 110.8745, 99.7869,
67.3947

 4.5474, 2.9686,
0.3445

 140.4055,
127.9042, 89.9852

 2.0162, 1.1153,
0.0000

174.7632,
160.8617, 117.1318

 0.6430, 0.0000,
0.0000

214.3131,

 0.0000, 0.0000,

199.0438, 149.2531

0.0000

259.4204,
242.8349, 186.7677

■ 33.7111, 28.0319,
14.2236

■ 33.7111, 28.0319,
14.2236

■ 31.2278, 24.3310,
9.4940

■ 36.6973, 32.3592,
20.2915

■ 29.2150, 21.2221,
5.9976

■ 40.2120, 37.3366,
27.7885

■ 27.6396, 18.6735,
3.6161

■ 44.2811, 42.9919,
36.7994

■ 26.4621, 16.6483,
2.2064

■ 48.9284, 49.3499,
47.4018

■ 25.8696, 15.5816,
1.6441

■ 54.1761, 56.4338,
59.6678

■ 60.0452, 64.2662,
73.6654

■ 66.5557, 72.8685,
89.4585

■ 73.6299, 82.2222,
106.5975

■ 78.0440, 91.0505,
108.0689

Harmonies

Analogous

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



36.9924, 28.0319, 22.8023



33.7111, 28.0319, 14.2236



28.7520, 28.0319, 10.6231

Triad

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



33.7111, 28.0319, 14.2236



18.2415, 28.0319, 25.0061



29.7158, 28.0319, 65.3675

Complementary

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



33.7111, 28.0319, 14.2236



29.8389, 35.7681, 61.2082

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.



24.6406, 28.0319, 66.5295



33.7111, 28.0319, 14.2236



18.4307, 28.0319, 39.8127

Square

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



33.7111, 28.0319, 14.2236



20.0855, 28.0319, 15.3962



20.6399, 28.0319, 56.0673



34.4930, 28.0319, 53.2662

Rectangle

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



33.7111, 28.0319, 14.2236



25.3530, 28.0319, 10.4384



20.6399, 28.0319, 56.0673



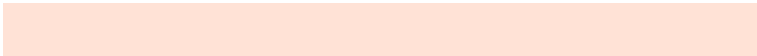
27.9770, 28.0319, 67.1626

Sweetspot

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



33.7118, 28.0333, 14.2241



80.5758, 80.4706, 75.0379



35.7487, 23.5177, 41.3835



16.8898, 16.7368, 15.2448



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.



33.7118, 28.0333, 14.2241



52.3453, 40.3937, 15.1173



42.4175, 45.4448, 17.1260



11.4703, 11.7295, 11.7389



16.7135, 10.1600, 1.0802



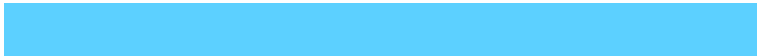
0.9280, 0.6557, 0.0777

Inverse Universe

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



29.8389, 35.7681, 61.2082



45.0357, 54.6692, 102.7863



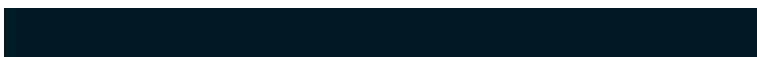
21.6850, 19.4602, 58.4902



11.2606, 12.1616, 14.3243



13.3581, 15.7401, 38.2904



0.7520, 0.9378, 1.9963

Previews

White Background



This preview shows how the XYZ color 33.7111, 28.0319, 14.2236 looks on a white background.

Color Contrast Check

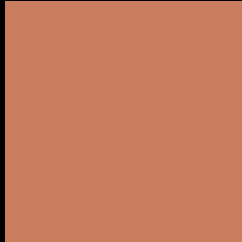
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7111, 28.0319, 14.2236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

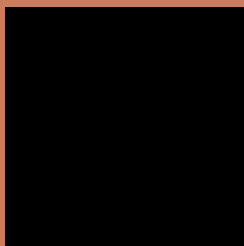
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7111, 28.0319, 14.2236

Background



This preview shows how black text looks on a background with the XYZ color 33.7111, 28.0319, 14.2236.



This preview shows how white text looks on a background with the XYZ color 33.7111, 28.0319,

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

33.7111, 28.0319, 14.2236

Protanopia

26.2340, 28.2780, 16.6459

Deuteranopia

28.6560, 28.0462, 13.8007



Tritanopia

35.8558, 27.9971, 24.2830

Trichromacy



Original Color

33.7111, 28.0319, 14.2236

Protanomaly

28.5742, 27.9620, 15.6956

Deuteranomaly

30.3269, 27.8621, 13.9047

Tritanomaly

35.0138, 28.0174, 20.0855

Monochromacy



Original Color

33.7111, 28.0319, 14.2236

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.2286, 27.3970, 23.5390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7111, 28.0319, 14.2236 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(202, 125, 94)` looks like.

```
.text, #text, p{  
    color:rgb(202, 125, 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(202, 125, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 125, 94) }
```

Border

The CSS property to change the border of an element to XYZ 33.7111, 28.0319, 14.2236 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(202, 125, 94) }
```


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

```
.border{ border-color:rgb(202, 125, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 125, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 125, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 125, 94);  
box-shadow:4px 4px 4px 4px rgb(202, 125,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7111, 28.0319, 14.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 125, 94) }
```

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

```
.background{ background-color: rgb(202,  
125, 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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