

Converting Colors

XYZ(33.3209, 27.8319, 7.1551)

Have a look what the booklet for
XYZ(33.3209, 27.8319, 7.1551)
contains.

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Color

**XYZ(33.3271, 27.8035,
7.1001)**

Conversions

Conversions Part 1

Format	Color
Hex	CE7C36
RGB	206, 124, 54
RGB Percent	81%, 49%, 21%
CMY	0.1922, 0.5137, 0.7882
CMYK	0.00, 0.40, 0.74, 0.19
HSL	28°, 61%, 51%
HSV	28°, 74%, 81%
XYZ	33.3271, 27.8035, 7.1001
YIQ	140.5380, 71.3420, -4.3860

Conversions

Conversions Part 2

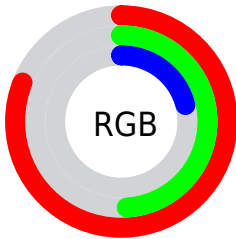
Format	Color
R _Y B	206, 184, 54
Decimal	13532214
CIE Lab	59.71, 26.24, 50.04
CIE LCh	60, 56.498, 62.327
Yxy	27.8035, 0.4884, 0.4075
Android (android.graphics.Color)	4291722294 (0xFFCE7C36)
YUV	140.5380, -42.6632, 57.4102
Hunter-Lab	52.7290, 20.5442, 28.9268

Details

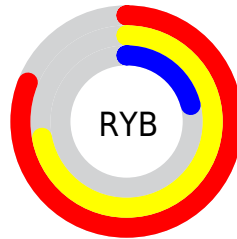
The XYZ color **33.3271, 27.8035, 7.1001** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.4654, 22.8474, 61.6707**, and the grayscale version is **25.2794, 26.5959, 28.9629**.

A 20% lighter version of the original color is **59.5119, 53.7242, 20.5978**, and **14.3028, 11.0086, 1.3710** is the 20% darker color. If you saturate the color by 10%, you get **31.6269, 25.0204, 4.6310**, and if you desaturate by 10%, it is **35.3903, 30.9853, 10.7009**.

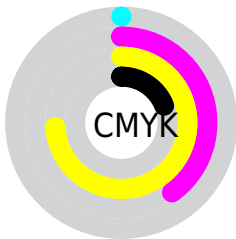
Distribution



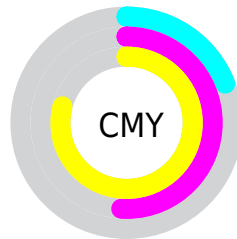
- Red (81%)
- Green (49%)
- Blue (21%)



- Red (81%)
- Yellow (72%)
- Blue (21%)



- Cyan (0%)
- Magenta (40%)
- Yellow (74%)
- Black (19%)





- Cyan (19%)
- Magenta (51%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3271, 27.8035, 7.1001 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 33.3271, 27.8035, 7.1001 by changing the saturation by 10% instead.


 33.3271, 27.8035,
7.1001


 33.3271, 27.8035,
7.1001


308.7601,
291.5268, 178.1553


 22.5376, 18.1776,
3.4454


 64.2371, 56.1706,
20.6906

 14.3712, 11.0776,
1.3263


 85.0884, 75.6805,
31.4635


 8.4627, 6.1190,
0.0832


 110.0242, 99.2539,
45.4461

 4.4467, 2.9176,
0.0000

 139.4100,
127.2752, 63.0571

 1.9578, 1.0889,
0.0000

 173.6112,
160.1287, 84.7150

 0.6101, 0.0000,
0.0000

 212.9930,

 0.0000, 0.0000,

198.1989, 110.8383

0.0000

257.9208,
241.8701, 141.8455

■ 33.3271, 27.8035,
7.1001

■ 33.3271, 27.8035,
7.1001

■ 31.6269, 25.0204,
4.6310

■ 35.3903, 30.9853,
10.7009

■ 30.2547, 22.6101,
3.1437

■ 37.8427, 34.5807,
15.5549

■ 29.5344, 21.2837,
2.5515

■ 40.7094, 38.6084,
21.7692

■ 44.0129, 43.0846,
29.4390

■ 47.7735, 48.0245,
38.6508

■ 52.0105, 53.4425,
49.4842

■ 56.7417, 59.3521,
62.0135

■ 61.9839, 65.7666,
76.3082

■ 67.7531, 72.6982,
92.4338

Harmonies

Analogous

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



39.8040, 27.8035, 13.7429



33.3271, 27.8035, 7.1001



25.8731, 27.8035, 5.5341

Triad

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



33.3271, 27.8035, 7.1001



14.9479, 27.8035, 31.8974



34.4665, 27.8035, 77.1187

Complementary

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



33.3271, 27.8035, 7.1001



21.4654, 22.8474, 61.6707

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.



26.9876, 27.8035, 88.9831



33.3271, 27.8035, 7.1001



16.4423, 27.8035, 56.5338

Square

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



33.3271, 27.8035, 7.1001



16.0395, 27.8035, 15.4412



20.5508, 27.8035, 80.1339



40.5407, 27.8035, 52.4447

Rectangle

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



33.3271, 27.8035, 7.1001



21.5477, 27.8035, 6.5269



20.5508, 27.8035, 80.1339



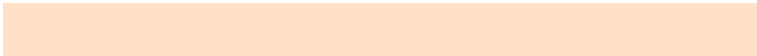
31.9910, 27.8035, 83.1358

Sweetspot

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



33.3277, 27.8049, 7.1006



78.3915, 79.0875, 65.1057



31.3312, 17.5837, 25.6360



16.3979, 16.4345, 12.9801



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.



33.3277, 27.8049, 7.1006



49.7796, 38.0029, 5.8134



46.4048, 53.9591, 11.4596



11.6310, 12.0509, 11.7925



18.2813, 13.2956, 1.6028



1.0187, 0.8371, 0.1079

Inverse Universe

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



21.4654, 22.8474, 61.6707



29.5126, 29.4323, 98.7333



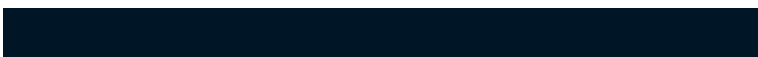
14.3630, 8.6426, 59.3032



11.0946, 11.8297, 14.2690



10.4668, 9.9575, 37.3266



0.6154, 0.6645, 1.9508

Previews

White Background



This preview shows how the XYZ color 33.3271, 27.8035, 7.1001 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 33.3271, 27.8035, 7.1001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

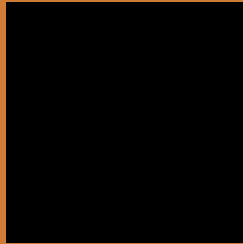
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3271, 27.8035, 7.1001

Background



This preview shows how black text looks on a background with the XYZ color 33.3271, 27.8035, 7.1001.



This preview shows how white text looks on a background with the XYZ color 33.3271, 27.8035,

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

33.3271, 27.8035, 7.1001

Protanopia

25.6390, 28.1541, 8.3579

Deuteranopia

28.3438, 27.8249, 6.8945



Tritanopia

36.6413, 27.9049, 22.8570

Trichromacy



Original Color

33.3271, 27.8035, 7.1001

Protanomaly

27.8408, 27.5439, 7.8521

Deuteranomaly

29.8351, 27.5604, 6.8792

Tritanomaly

35.2631, 27.8891, 15.3289

Monochromacy



Original Color

33.3271, 27.8035, 7.1001

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.9413, 26.4314, 18.1498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3271, 27.8035, 7.1001 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(206, 124, 54)` looks like.

```
.text, #text, p{  
    color:rgb(206, 124, 54)  
}
```

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(206, 124, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 124, 54) }
```

Border

The CSS property to change the border of an element to XYZ 33.3271, 27.8035, 7.1001 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(206, 124, 54) }
```


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

```
.border{ border-color:rgb(206, 124, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 124, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 124, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 124, 54);  
box-shadow:4px 4px 4px 4px rgb(206, 124,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3271, 27.8035, 7.1001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 124, 54) }
```

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

```
.background{ background-color: rgb(206,  
124, 54) }
```

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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