

Converting Colors

XYZ(33.5516, 27.9543, 13.4341)

Have a look what the booklet for
XYZ(33.5516, 27.9543, 13.4341)
contains.

XYZ(33.5791, 27.9791, 13.5282)	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(33.5791, 27.9791,
13.5282)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7D5B
RGB	202, 125, 91
RGB Percent	79%, 49%, 36%
CMY	0.2078, 0.5098, 0.6431
CMYK	0.00, 0.38, 0.55, 0.21
HSL	18°, 51%, 57%
HSV	18°, 55%, 79%
XYZ	33.5791, 27.9791, 13.5282
YIQ	144.1470, 56.8060, 5.7500

Conversions

Conversions Part 2

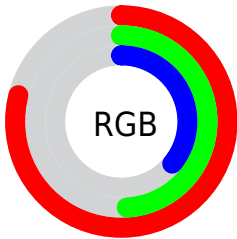
Format	Color
R _Y B	202, 140, 91
Decimal	13270363
CIE Lab	59.87, 26.44, 31.01
CIE LCh	60, 40.753, 49.550
Yxy	27.9791, 0.4472, 0.3726
Android (android.graphics.Color)	4291460443 (0xFFCA7D5B)
YUV	144.1470, -26.2015, 50.7371
Hunter-Lab	52.8953, 20.7491, 21.8630

Details

The XYZ color **33.5791, 27.9791, 13.5282** 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 **28.9770, 34.4921, 61.0074**, and the grayscale version is **26.6554, 28.0436, 30.5395**.

A 20% lighter version of the original color is **62.0429, 55.0538, 32.9476**, and **14.4723, 11.1433, 3.7710** is the 20% darker color. If you saturate the color by 10%, you get **31.1718, 24.3764, 8.9900**, and if you desaturate by 10%, it is **36.4725, 32.1789, 19.3859**.

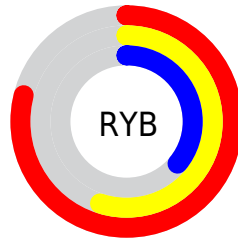
Distribution



Red (79%)

Green (49%)

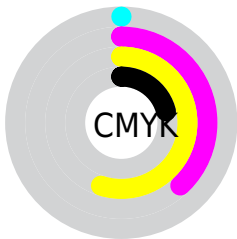
Blue (36%)



Red (79%)

Yellow (55%)

Blue (36%)

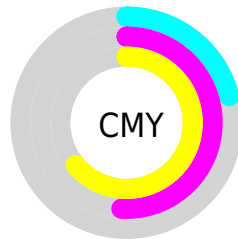


Cyan (0%)

Magenta (38%)

Yellow (55%)

Black (21%)



Cyan (21%)


Magenta (51%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5791, 27.9791, 13.5282 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 33.5791, 27.9791, 13.5282 by changing the saturation by 10% instead.


 33.5791, 27.9791,
13.5282


 33.5791, 27.9791,
13.5282


309.8702,
292.3670, 225.6011


 22.7318, 18.3099,
7.6583


 64.6272, 56.4511,
32.9545

 14.5152, 11.1727,
3.7925


 85.5588, 76.0226,
47.3480

 8.5639, 6.1831,
1.5122


 110.5825, 99.6638,
65.4197

 4.5127, 2.9568,
0.2270

 140.0636,
127.7589, 87.5882

 1.9961, 1.1092,
0.0000

174.3676,
160.6924, 114.2721

 0.6318, 0.0000,
0.0000

213.8598,

 0.0000, 0.0000,

198.8487, 145.8898

0.0000

258.9056,
242.6121, 182.8600

■ 33.5791, 27.9791,
13.5282

■ 33.5791, 27.9791,
13.5282

■ 31.1718, 24.3764,
8.9900

■ 36.4725, 32.1789,
19.3859

■ 29.2189, 21.3381,
5.6647

■ 39.8770, 36.9981,
26.6551

■ 27.6876, 18.8343,
3.4314

■ 43.8181, 42.4628,
35.4215

■ 26.5385, 16.8300,
2.1427

■ 48.3189, 48.5966,
45.7630

■ 26.0733, 15.9890,
1.7120

■ 53.4011, 55.4214,
57.7527

■ 59.0852, 62.9584,
71.4585

■ 65.3907, 71.2278,
86.9448

■ 72.3362, 80.2490,
104.2727

■ 76.9390, 88.8404,
107.7005

Harmonies

Analogous

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



37.1054, 27.9791, 21.8955



33.5791, 27.9791, 13.5282



28.4377, 27.9791, 10.1664

Triad

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



33.5791, 27.9791, 13.5282



17.9655, 27.9791, 25.5863



30.0608, 27.9791, 65.9443

Complementary

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



33.5791, 27.9791, 13.5282



28.9770, 34.4921, 61.0074

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.



24.8304, 27.9791, 67.9201



33.5791, 27.9791, 13.5282



18.2816, 27.9791, 41.0200

Square

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



33.5791, 27.9791, 13.5282



19.7225, 27.9791, 15.4738



20.6505, 27.9791, 57.6742



34.8989, 27.9791, 52.9230

Rectangle

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



33.5791, 27.9791, 13.5282



24.9778, 27.9791, 10.1290



20.6505, 27.9791, 57.6742



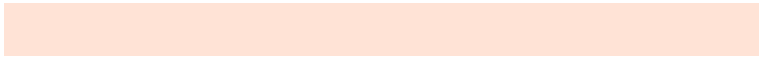
28.2770, 27.9791, 68.0528

Sweetspot

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



33.5798, 27.9805, 13.5287



80.7900, 80.8989, 75.1093



35.2316, 22.8922, 39.9505



16.9404, 16.8380, 15.2617



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.



33.5798, 27.9805, 13.5287



52.0737, 40.1945, 13.9664



42.5264, 45.8738, 16.5109



11.4880, 11.7649, 11.7448



16.8476, 10.4282, 1.1249



0.9367, 0.6730, 0.0805

Inverse Universe

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



28.9770, 34.4921, 61.0074



43.4129, 52.1525, 102.3861



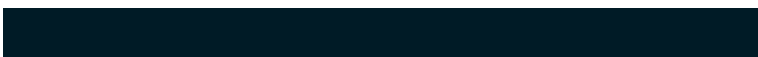
20.9027, 18.3436, 58.3160



11.2420, 12.1244, 14.3181



12.9876, 14.9992, 38.1669



0.7352, 0.9041, 1.9907

Previews

White Background



This preview shows how the XYZ color 33.5791, 27.9791, 13.5282 looks on a white background.

Color Contrast Check

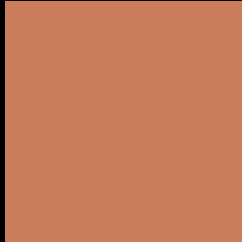
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5791, 27.9791, 13.5282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

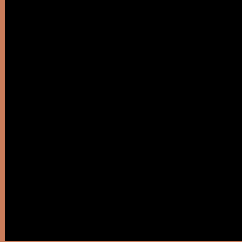
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5791, 27.9791, 13.5282

Background



This preview shows how black text looks on a background with the XYZ color 33.5791, 27.9791, 13.5282.



This preview shows how white text looks on a background with the XYZ color 33.5791, 27.9791,

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

33.5791, 27.9791, 13.5282

Protanopia

26.2822, 28.3197, 15.8854

Deuteranopia

28.5291, 27.9955, 13.1325



Tritanopia

35.8558, 27.9971, 24.2830

Trichromacy



Original Color

33.5791, 27.9791, 13.5282

Protanomaly

28.4334, 27.9057, 14.9541

Deuteranomaly

30.1983, 27.8106, 13.2276

Tritanomaly

34.9559, 27.9942, 19.7807

Monochromacy



Original Color

33.5791, 27.9791, 13.5282

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.1644, 27.3713, 23.2008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5791, 27.9791, 13.5282 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(202, 125, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 125, 91) }
```

Border

The CSS property to change the border of an element to XYZ 33.5791, 27.9791, 13.5282 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, 91) }
```


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

```
.border{ border-color:rgb(202, 125, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 125, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 125, 91);  
box-shadow:4px 4px 4px 4px rgb(202, 125,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5791, 27.9791, 13.5282 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, 91) }
```

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

```
.background{ background-color: rgb(202,  
125, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor