

Converting Colors

XYZ(32.8978, 28.5662, 13.2923)

Have a look what the booklet for
XYZ(32.8978, 28.5662, 13.2923)
contains.

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Color

**XYZ(32.8118, 28.5568,
13.2338)**

Conversions

Conversions Part 1

Format	Color
Hex	C58259
RGB	197, 130, 89
RGB Percent	77%, 51%, 35%
CMY	0.2275, 0.4902, 0.6510
CMYK	0.00, 0.34, 0.55, 0.23
HSL	23°, 48%, 56%
HSV	23°, 55%, 77%
XYZ	32.8118, 28.5568, 13.2338
YIQ	145.3590, 53.0930, 1.4530

Conversions

Conversions Part 2

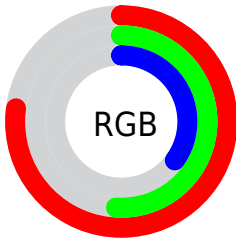
Format	Color
R_{YB}	197, 155, 89
Decimal	12943961
CIE _{Lab}	60.39, 21.49, 32.64
CIE _{LCh}	60, 39.076, 56.633
Yxy	28.5568, 0.4398, 0.3828
Android (android.graphics.Color)	4291134041 (0xFFC58259)
YUV	145.3590, -27.7850, 45.2892
Hunter-Lab	53.4386, 16.0833, 22.7241

Details

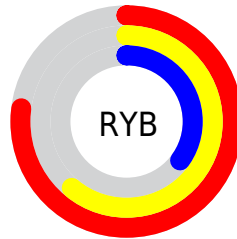
The XYZ color **32.8118, 28.5568, 13.2338** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **26.0858, 29.9308, 57.2257**, and the grayscale version is **27.1548, 28.5690, 31.1116**.

A 20% lighter version of the original color is **62.9071, 57.0204, 32.5014**, and **14.1018, 11.4799, 3.6631** is the 20% darker color. If you saturate the color by 10%, you get **30.5626, 25.2099, 8.9346**, and if you desaturate by 10%, it is **35.4768, 32.3812, 18.7642**.

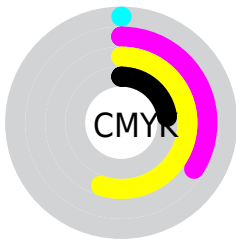
Distribution



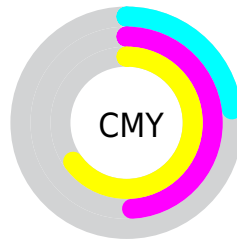
- Red (77%)
- Green (51%)
- Blue (35%)



- Red (77%)
- Yellow (61%)
- Blue (35%)



- Cyan (0%)
- Magenta (34%)
- Yellow (55%)
- Black (23%)





- Cyan (23%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8118, 28.5568, 13.2338 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 32.8118, 28.5568, 13.2338 by changing the saturation by 10% instead.


 32.8118, 28.5568,
13.2338


 32.8118, 28.5568,
13.2338


306.4808,
295.1180, 223.6709

 22.1409, 18.7458,
7.4571


 63.4382, 57.3722,
32.4205

 14.0776, 11.4867,
3.6668


 84.1244, 77.1454,
46.6676


 8.2567, 6.3952,
1.4444


 108.8798,
101.0080, 64.5753

 4.3128, 3.0869,
0.1760

 138.0696,
129.3446, 86.5620

 1.8806, 1.1773,
0.0000

 172.0593,
162.5395, 113.0464

 0.5655, 0.0430,
0.0000

211.2141,

 0.0000, 0.0000,

200.9772, 144.4470

0.0000

255.8995,
245.0418, 181.1823

■ 32.8118, 28.5568,
13.2338

■ 32.8118, 28.5568,
13.2338

■ 30.5626, 25.2099,
8.9346

■ 35.4768, 32.3812,
18.7642

■ 28.7023, 22.3156,
5.7673

■ 38.5781, 36.6982,
25.6110

■ 27.2036, 19.8527,
3.6199

■ 42.1370, 41.5271,
33.8537

■ 26.0334, 17.7958,
2.3558

■ 46.1728, 46.8850,
43.5649

■ 25.5281, 16.8747,
1.9117

■ 50.7036, 52.7882,
54.8123

■ 55.7466, 59.2522,
67.6592

■ 61.3178, 66.2917,
82.1654

■ 67.4329, 73.9210,
98.3875

■ 72.2330, 81.4044,
106.5133

Harmonies

Analogous

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



36.7295, 28.5568, 20.2639



32.8118, 28.5568, 13.2338



27.7138, 28.5568, 10.8404

Triad

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



32.8118, 28.5568, 13.2338



18.5932, 28.5568, 29.4964



31.7090, 28.5568, 62.9742

Complementary

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



32.8118, 28.5568, 13.2338



26.0858, 29.9308, 57.2257

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.



26.5788, 28.5568, 67.7126



32.8118, 28.5568, 13.2338



19.3881, 28.5568, 45.2234

Square

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



32.8118, 28.5568, 13.2338



19.8451, 28.5568, 18.2207



22.1668, 28.5568, 60.4082



36.0395, 28.5568, 48.9341

Rectangle

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



32.8118, 28.5568, 13.2338



24.4691, 28.5568, 11.3998



22.1668, 28.5568, 60.4082



30.0036, 28.5568, 65.8643

Sweetspot

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



32.8125, 28.5582, 13.2343



81.6139, 82.5468, 75.3839



32.7185, 21.4633, 34.4962



17.1355, 17.2282, 15.3267



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.



32.8125, 28.5582, 13.2343



53.9502, 43.9474, 14.5919



41.6803, 46.2939, 16.1903



10.9584, 11.2859, 11.1636



16.8658, 11.2488, 1.2823



0.8682, 0.6719, 0.0839

Inverse Universe

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



26.0858, 29.9308, 57.2257



40.6055, 46.5377, 101.4503



19.0882, 15.9356, 54.8931



10.5954, 11.3648, 13.5527



11.3056, 12.0051, 36.4657



0.6036, 0.7050, 1.7494

Previews

White Background



This preview shows how the XYZ color 32.8118, 28.5568, 13.2338 looks on a white background.

Color Contrast Check

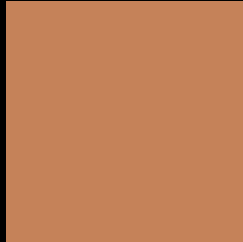
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8118, 28.5568, 13.2338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

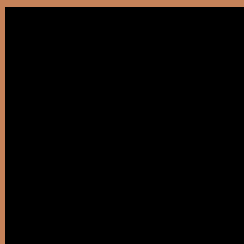
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8118, 28.5568, 13.2338

Background



This preview shows how black text looks on a background with the XYZ color 32.8118, 28.5568, 13.2338.



This preview shows how white text looks on a background with the XYZ color 32.8118, 28.5568,

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

32.8118, 28.5568, 13.2338

Protanopia

26.6425, 28.7549, 14.9725

Deuteranopia

29.0844, 28.5005, 12.9851



Tritanopia

35.3301, 28.4159, 26.1770

Trichromacy



Original Color

32.8118, 28.5568, 13.2338

Protanomaly

28.5874, 28.4307, 14.3369

Deuteranomaly

30.3328, 28.5032, 13.1355

Tritanomaly

34.2841, 28.3718, 20.8089

Monochromacy



Original Color

32.8118, 28.5568, 13.2338

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.3896, 28.1293, 23.3353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8118, 28.5568, 13.2338 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(197, 130, 89)` looks like.

```
.text, #text, p{  
    color:rgb(197, 130, 89)  
}
```

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(197, 130, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 130, 89) }
```

Border

The CSS property to change the border of an element to XYZ 32.8118, 28.5568, 13.2338 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(197, 130, 89) }
```


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

```
.border{ border-color:rgb(197, 130, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 130, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 130, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 130, 89);  
box-shadow:4px 4px 4px 4px rgb(197, 130,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8118, 28.5568, 13.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 130, 89) }
```

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

```
.background{ background-color: rgb(197,  
130, 89) }
```

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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