

Converting Colors

XYZ(28.2720, 29.3048, 13.8201)

Have a look what the booklet for
XYZ(28.2720, 29.3048, 13.8201)
contains.

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Color

**XYZ(28.3330, 29.4240,
13.8589)**

Conversions

Conversions Part 1

Format	Color
Hex	A9915A
RGB	169, 145, 90
RGB Percent	66%, 57%, 35%
CMY	0.3373, 0.4314, 0.6471
CMYK	0.00, 0.14, 0.47, 0.34
HSL	42°, 31%, 51%
HSV	42°, 47%, 66%
XYZ	28.3330, 29.4240, 13.8589
YIQ	145.9060, 31.9590, -12.0170

Conversions

Conversions Part 2

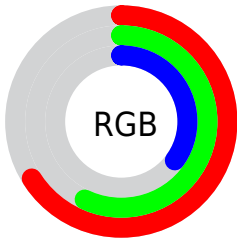
Format	Color
RYB	124, 169, 90
Decimal	11112794
CIELab	61.15, 1.45, 32.42
CIElCh	61, 32.451, 87.446
Yxy	29.4240, 0.3956, 0.4109
Android (android.graphics.Color)	4289302874 (0xFFA9915A)
YUV	145.9060, -27.5617, 20.2534
Hunter-Lab	54.2439, -1.6916, 22.8226

Details

The XYZ color **28.3330, 29.4240, 13.8589** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.3949, 17.0721, 39.9143**, and the grayscale version is **27.3839, 28.8100, 31.3741**.

A 20% lighter version of the original color is **56.5952, 58.9387, 33.5927**, and **11.5804, 11.9964, 3.8957** is the 20% darker color. If you saturate the color by 10%, you get **26.9274, 27.6360, 10.2360**, and if you desaturate by 10%, it is **29.9391, 31.3511, 18.3561**.

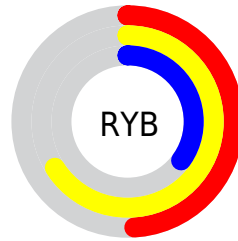
Distribution



Red (66%)

Green (57%)

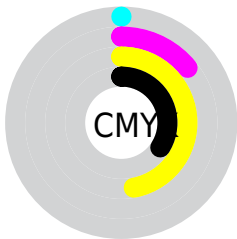
Blue (35%)



Red (49%)

Yellow (66%)

Blue (35%)

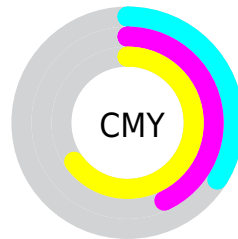


Cyan (0%)

Magenta (14%)

Yellow (47%)

Black (34%)



Cyan (34%)

Magenta (43%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3330, 29.4240, 13.8589 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 28.3330, 29.4240, 13.8589 by changing the saturation by 10% instead.

■ 28.3330, 29.4240,
13.8589

■ 28.3330, 29.4240,
13.8589

286.1060,
299.2103, 227.7491

■ 18.7186, 19.4018,
7.8850

■ 56.4206, 58.7501,
33.5520

■ 11.5699, 11.9610,
3.9347

■ 75.6245, 78.8227,
48.1082

■ 6.5216, 6.7171,
1.5896

■ 98.7555, 103.0143,
66.3623

■ 3.2084, 3.2858,
0.2834

■ 126.1791,
131.7093, 88.7327

■ 1.2649, 1.2827,
0.0000

158.2606,
165.2919, 115.6381

■ 0.1567, 0.1278,
0.0000

195.3653,

■ 0.0000, 0.0000,

204.1467, 147.4969

0.0000

237.8587,
248.6580, 184.7277

■ 28.3330, 29.4240,
13.8589

■ 28.3330, 29.4240,
13.8589

■ 26.9274, 27.6360,
10.2360

■ 29.9391, 31.3511,
18.3561

■ 25.7083, 25.9774,
7.4264

■ 31.7541, 33.4182,
23.7797

■ 24.6635, 24.4438,
5.3640

■ 33.7886, 35.6312,
30.1796

■ 23.7777, 23.0283,
3.9712

■ 36.0517, 37.9944,
37.6016

■ 23.0294, 21.7214,
3.1369

■ 38.5518, 40.5121,
46.0888

■ 22.8014, 21.3137,
2.9122

■ 41.2972, 43.1880,
55.6815

■ 44.2954, 46.0260,
66.4182

■ 47.5539, 49.0296,
78.3354

■ 51.0795, 52.2023,
91.4679

Harmonies

Analogous

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



32.6073, 29.4240, 16.0598



28.3330, 29.4240, 13.8589



24.3603, 29.4240, 15.4096

Triad

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



28.3330, 29.4240, 13.8589



21.3121, 29.4240, 44.1055



35.4505, 29.4240, 46.3829

Complementary

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



28.3330, 29.4240, 13.8589



17.3949, 17.0721, 39.9143

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.



31.9124, 29.4240, 57.6754



28.3330, 29.4240, 13.8589



23.7886, 29.4240, 56.1431

Square

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



28.3330, 29.4240, 13.8589



20.5592, 29.4240, 31.0043



27.6034, 29.4240, 61.6337



36.9687, 29.4240, 33.0938

Rectangle

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



28.3330, 29.4240, 13.8589



22.3589, 29.4240, 18.6532



27.6034, 29.4240, 61.6337



34.4414, 29.4240, 50.6544

Sweetspot

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



28.3337, 29.4254, 13.8595



61.4858, 64.8439, 57.1911



23.1139, 16.9857, 18.2853



13.2248, 13.9463, 11.8946



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3337, 29.4254, 13.8595



48.1654, 49.4154, 18.1850



29.4584, 36.0348, 15.0760



7.9517, 8.3834, 7.9883



17.0426, 15.9824, 2.1867



0.4565, 0.4725, 0.0671

Inverse Universe

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



17.3949, 17.0721, 39.9143



26.1982, 24.6371, 70.5997



16.5830, 13.1493, 39.1999



7.3107, 7.6583, 9.5112



6.2728, 4.0059, 28.4181



0.1971, 0.1865, 0.7062

Previews

White Background



This preview shows how the XYZ color 28.3330, 29.4240, 13.8589 looks on a white background.

Color Contrast Check

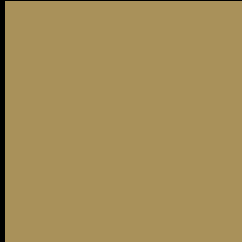
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3330, 29.4240, 13.8589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

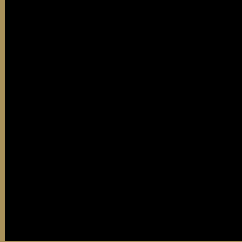
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3330, 29.4240, 13.8589

Background



This preview shows how black text looks on a background with the XYZ color 28.3330, 29.4240, 13.8589.



This preview shows how white text looks on a background with the XYZ color 28.3330, 29.4240,

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

28.3330, 29.4240, 13.8589

Protanopia

27.1762, 29.5122, 14.1616

Deuteranopia

30.0036, 29.3888, 13.9888



Tritanopia

32.1925, 29.4608, 32.4236

Trichromacy



Original Color

28.3330, 29.4240, 13.8589

Protanomaly

27.6319, 29.5153, 14.1382

Deuteranomaly

29.2405, 29.2153, 13.9955

Tritanomaly

30.6547, 29.4925, 24.4990

Monochromacy



Original Color

28.3330, 29.4240, 13.8589

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.3712, 28.9342, 23.8809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3330, 29.4240, 13.8589 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(169, 145, 90)` looks like.

```
.text, #text, p{  
    color:rgb(169, 145, 90)  
}
```

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(169, 145, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 145, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.3330, 29.4240, 13.8589 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(169, 145, 90) }
```


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

```
.border{ border-color:rgb(169, 145, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 145, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 145, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 145, 90);  
box-shadow:4px 4px 4px 4px rgb(169, 145,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3330, 29.4240, 13.8589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 145, 90) }
```

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

```
.background{ background-color: rgb(169,  
145, 90) }
```

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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