

Converting Colors

XYZ(29.1892, 28.1695, 21.3901)

Have a look what the booklet for
XYZ(29.1892, 28.1695, 21.3901)
contains.

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Color

**XYZ(29.2128, 28.1668,
21.3498)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8A77
RGB	171, 138, 119
RGB Percent	67%, 54%, 47%
CMY	0.3294, 0.4588, 0.5333
CMYK	0.00, 0.19, 0.30, 0.33
HSL	22°, 24%, 57%
HSV	22°, 30%, 67%
XYZ	29.2128, 28.1668, 21.3498
YIQ	145.7010, 25.7670, 1.0870

Conversions

Conversions Part 2

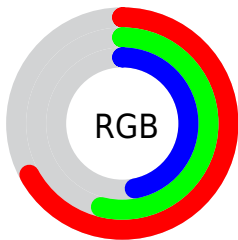
Format	Color
R_{YB}	171, 149, 119
Decimal	11242103
CIE _{Lab}	60.04, 9.67, 14.91
CIE _{LCh}	60, 17.773, 57.026
Yxy	28.1668, 0.3711, 0.3578
Android (android.graphics.Color)	4289432183 (0xFFAB8A77)
YUV	145.7010, -13.1636, 22.1872
Hunter-Lab	53.0724, 5.3756, 13.2997

Details

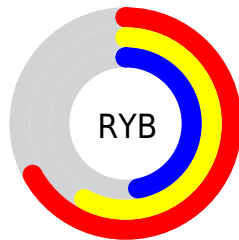
The XYZ color **29.2128, 28.1668, 21.3498** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **26.1862, 29.3176, 42.8067**, and the grayscale version is **27.2446, 28.6634, 31.2145**.

A 20% lighter version of the original color is **57.6600, 56.5328, 46.4010**, and **12.0983, 11.2859, 7.5020** is the 20% darker color. If you saturate the color by 10%, you get **26.7972, 24.8338, 15.9257**, and if you desaturate by 10%, it is **31.9702, 31.8875, 27.8001**.

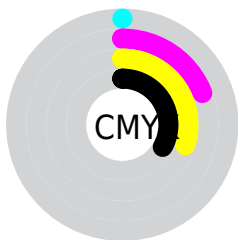
Distribution



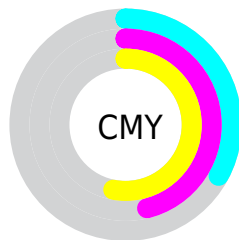
- Red (67%)
- Green (54%)
- Blue (47%)



- Red (67%)
- Yellow (58%)
- Blue (47%)



- Cyan (0%)
- Magenta (19%)
- Yellow (30%)
- Black (33%)



- Cyan (33%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2128, 28.1668, 21.3498 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 29.2128, 28.1668, 21.3498 by changing the saturation by 10% instead.

■ 29.2128, 28.1668,
21.3498

■ 29.2128, 28.1668,
21.3498

290.1938,
293.2631, 271.9735

■ 19.3870, 18.4514,
13.1862

■ 57.8102, 56.7506,
46.5573

■ 12.0559, 11.2746,
7.4247

■ 77.3125, 76.3879,
64.4383

■ 6.8542, 6.2518,
3.6466

■ 100.7710,
100.1012, 86.3955

■ 3.4166, 2.9988,
1.4336

128.5511,
128.2751, 112.8474

■ 1.3777, 1.1311,
0.1677

161.0180,
161.2938, 144.2127

■ 0.2403, 0.0043,
0.0000

198.5372,

■ 0.0000, 0.0000,

199.5417, 180.9097

0.0000

241.4740,
243.4034, 223.3572

■ 29.2128, 28.1668,
21.3498

■ 29.2128, 28.1668,
21.3498

■ 26.7972, 24.8338,
15.9257

■ 31.9702, 31.8875,
27.8001

■ 24.7068, 21.8714,
11.4724

■ 35.0808, 36.0042,
35.3247

■ 22.9267, 19.2672,
7.9317

■ 38.5581, 40.5301,
43.9706

■ 21.4398, 17.0063,
5.2386

■ 42.4140, 45.4765,
53.7815

■ 20.2272, 15.0726,
3.3191

■ 46.6602, 50.8542,
64.7989

■ 19.2671, 13.4486,
2.0864

■ 51.3075, 56.6736,
77.0621

■ 18.5441, 12.1571,
1.3692

■ 56.3666, 62.9447,
90.6087

■ 61.7184, 69.6255,
104.7939

■ 64.7423, 75.6735,
105.8019

Harmonies

Analogous

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



30.8419, 28.1668, 25.3431



29.2128, 28.1668, 21.3498



26.9983, 28.1668, 19.8227

Triad

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



29.2128, 28.1668, 21.3498



22.6535, 28.1668, 30.0261



28.7999, 28.1668, 43.1760

Complementary

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



29.2128, 28.1668, 21.3498



26.1862, 29.3176, 42.8067

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.



26.5463, 28.1668, 44.8879



29.2128, 28.1668, 21.3498



23.0764, 28.1668, 36.6929

Square

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



29.2128, 28.1668, 21.3498



23.2817, 28.1668, 24.3687



24.4705, 28.1668, 42.3681



30.5942, 28.1668, 37.9709

Rectangle

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



29.2128, 28.1668, 21.3498



25.5166, 28.1668, 20.2214



24.4705, 28.1668, 42.3681



28.0673, 28.1668, 44.2084

Sweetspot

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



29.2135, 28.1681, 21.3504



63.5699, 65.4542, 65.0882



29.1248, 24.1451, 33.1760



13.9884, 14.3502, 14.0532



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.2135, 28.1681, 21.3504



49.5549, 46.6492, 31.9772



33.2572, 36.2554, 22.6983



8.2360, 8.4767, 8.4155



14.0260, 9.2576, 1.0476



0.4432, 0.3636, 0.0468

Inverse Universe

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



26.1862, 29.3176, 42.8067



43.3127, 49.0060, 76.1782



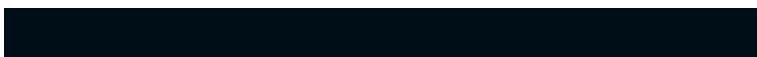
22.5223, 21.9897, 41.5854



7.9865, 8.5724, 10.1864



9.6757, 10.4853, 30.5584



0.3189, 0.3911, 0.8667

Previews

White Background



This preview shows how the XYZ color 29.2128, 28.1668, 21.3498 looks on a white background.

Color Contrast Check

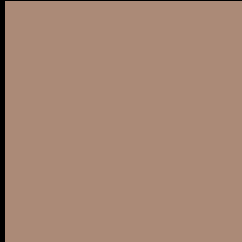
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2128, 28.1668, 21.3498 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 29.2128, 28.1668, 21.3498

Background



This preview shows how black text looks on a background with the XYZ color 29.2128, 28.1668, 21.3498.



This preview shows how white text looks on a background with the XYZ color 29.2128, 28.1668,

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

29.2128, 28.1668, 21.3498

Protanopia

26.7751, 28.4282, 22.4884

Deuteranopia

28.7108, 28.1220, 21.3676



Tritanopia

31.0915, 28.0932, 30.5719

Trichromacy



Original Color

29.2128, 28.1668, 21.3498

Protanomaly

27.6214, 28.2001, 22.0765

Deuteranomaly

28.9246, 28.2322, 21.3776

Tritanomaly

30.3415, 27.9898, 27.0959

Monochromacy



Original Color

29.2128, 28.1668, 21.3498

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.7840, 28.3911, 27.3082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2128, 28.1668, 21.3498 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(171, 138, 119)` looks like.

```
.text, #text, p{  
    color:rgb(171, 138, 119)  
}
```

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(171, 138, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 138, 119) }
```

Border

The CSS property to change the border of an element to XYZ 29.2128, 28.1668, 21.3498 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(171, 138, 119) }
```


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

```
.border{ border-color:rgb(171, 138, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 138, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 138, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 138, 119);  
box-shadow:4px 4px 4px 4px rgb(171, 138,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2128, 28.1668, 21.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 138, 119) }
```

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

```
.background{ background-color: rgb(171,  
138, 119) }
```

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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