

Converting Colors

XYZ(29.2546, 28.2770, 22.3589)

Have a look what the booklet for
XYZ(29.2546, 28.2770, 22.3589)
contains.

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Color

**XYZ(29.3230, 28.4164,
22.3518)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8B7A
RGB	170, 139, 122
RGB Percent	67%, 55%, 48%
CMY	0.3333, 0.4549, 0.5216
CMYK	0.00, 0.18, 0.28, 0.33
HSL	21°, 22%, 57%
HSV	21°, 28%, 67%
XYZ	29.3230, 28.4164, 22.3518
YIQ	146.3310, 23.9330, 1.2850

Conversions

Conversions Part 2

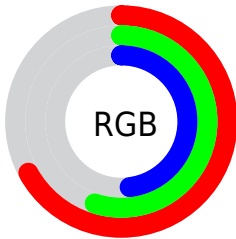
Format	Color
R_{YB}	170, 148, 122
Decimal	11176826
CIE Lab	60.26, 9.13, 13.51
CIE LCh	60, 16.304, 55.937
Yxy	28.4164, 0.3661, 0.3548
Android (android.graphics.Color)	4289366906 (0xFFAA8B7A)
YUV	146.3310, -11.9952, 20.7577
Hunter-Lab	53.3070, 4.9015, 12.4544

Details

The XYZ color **29.3230, 28.4164, 22.3518** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **26.6727, 29.8214, 42.3806**, and the grayscale version is **27.4989, 28.9310, 31.5058**.

A 20% lighter version of the original color is **58.0740, 57.3647, 48.0561**, and **12.1111, 11.4077, 7.8669** is the 20% darker color. If you saturate the color by 10%, you get **26.8501, 25.0112, 16.7774**, and if you desaturate by 10%, it is **32.1414, 32.2172, 28.9511**.

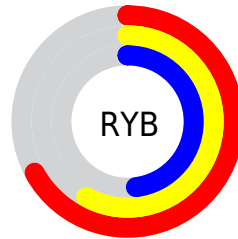
Distribution



Red (67%)

Green (55%)

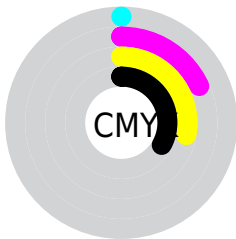
Blue (48%)



Red (67%)

Yellow (58%)

Blue (48%)

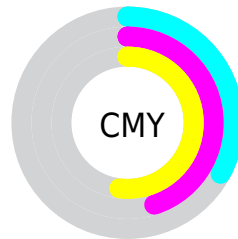


Cyan (0%)

Magenta (18%)

Yellow (28%)

Black (33%)



Cyan (33%)


Magenta (45%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3230, 28.4164, 22.3518 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 29.3230, 28.4164, 22.3518 by changing the saturation by 10% instead.


 29.3230, 28.4164,
22.3518


 29.3230, 28.4164,
22.3518

290.7027,
294.4513, 277.3912


 19.4708, 18.6398,
13.9148


 57.9839, 57.1486,
48.2364

 12.1170, 11.4103,
7.9234


 77.5233, 76.8729,
66.5211

 6.8962, 6.3435,
3.9589


 101.0225,
100.6819, 88.9255

 3.4430, 3.0551,
1.6028

128.8468,
128.9600, 115.8680

 1.3921, 1.1605,
0.2928

161.3617,
162.0916, 147.7674

 0.2506, 0.0291,
0.0000

198.9324,

 0.0000, 0.0000,

200.4611, 185.0420

0.0000

241.9243,
244.4529, 228.1104

■ 29.3230, 28.4164,
22.3518

■ 29.3230, 28.4164,
22.3518

■ 26.8501, 25.0112,
16.7774

■ 32.1414, 32.2172,
28.9511

■ 24.7060, 21.9845,
12.1741

■ 35.3163, 36.4222,
36.6219

■ 22.8763, 19.3236,
8.4856

■ 38.8613, 41.0447,
45.4100

■ 21.3440, 17.0135,
5.6492

■ 42.7882, 46.0962,
55.3582

■ 20.0908, 15.0381,
3.5941

■ 47.1084, 51.5875,
66.5068

■ 19.0954, 13.3796,
2.2380

■ 51.8330, 57.5293,
78.8943

■ 18.3253, 12.0152,
1.4395

■ 56.9724, 63.9318,
92.5574

■ 18.2050, 11.8010,
1.3183

■ 62.0496, 70.6101,
104.9665

■ 65.1456, 76.8020,
105.9985

Harmonies

Analogous

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



30.7865, 28.4164, 26.1747



29.3230, 28.4164, 22.3518



27.2947, 28.4164, 20.8215

Triad

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



29.3230, 28.4164, 22.3518



23.1953, 28.4164, 30.1322



28.8051, 28.4164, 42.4879

Complementary

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



29.3230, 28.4164, 22.3518



26.6727, 29.8214, 42.3806

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.



26.7252, 28.4164, 43.8997



29.3230, 28.4164, 22.3518



23.5537, 28.4164, 36.2526

Square

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



29.3230, 28.4164, 22.3518



23.8146, 28.4164, 24.9314



24.8199, 28.4164, 41.4883



30.4768, 28.4164, 37.8453

Rectangle

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



29.3230, 28.4164, 22.3518



25.9204, 28.4164, 21.1406



24.8199, 28.4164, 41.4883



28.1275, 28.4164, 43.3797

Sweetspot

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



29.3237, 28.4177, 22.3524



64.1324, 66.1560, 66.5801



29.3036, 24.7720, 33.4609



14.1025, 14.4910, 14.3605



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.



29.3237, 28.4177, 22.3524



50.2700, 47.5356, 33.8919



33.1523, 36.0747, 23.6286



7.7404, 7.9609, 7.9179



13.4402, 8.7777, 0.9859



0.3751, 0.3098, 0.0400

Inverse Universe

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



26.6727, 29.8214, 42.3806



44.6380, 50.5041, 76.3975



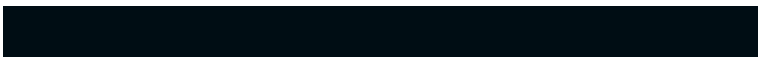
23.1587, 22.7935, 41.2092



7.5206, 8.0781, 9.5812



9.4755, 10.4112, 29.4856



0.2760, 0.3442, 0.7325

Previews

White Background



This preview shows how the XYZ color 29.3230, 28.4164, 22.3518 looks on a white background.

Color Contrast Check

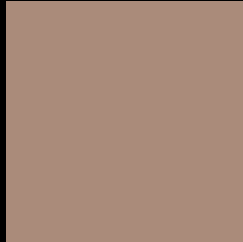
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3230, 28.4164, 22.3518 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 29.3230, 28.4164, 22.3518

Background



This preview shows how black text looks on a background with the XYZ color 29.3230, 28.4164, 22.3518.



This preview shows how white text looks on a background with the XYZ color 29.3230, 28.4164,

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

29.3230, 28.4164, 22.3518

Protanopia

26.9639, 28.5038, 23.4827

Deuteranopia

29.0394, 28.4861, 22.3802



Tritanopia

31.2260, 28.5679, 31.0625

Trichromacy



Original Color

29.3230, 28.4164, 22.3518

Protanomaly

27.7586, 28.4711, 23.1012

Deuteranomaly

29.2531, 28.5963, 22.3902

Tritanomaly

30.4743, 28.4681, 27.5556

Monochromacy



Original Color

29.3230, 28.4164, 22.3518

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.8554, 28.4196, 27.6843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3230, 28.4164, 22.3518 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(170, 139, 122)` looks like.

```
.text, #text, p{  
    color:rgb(170, 139, 122)  
}
```

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(170, 139, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 139, 122) }
```

Border

The CSS property to change the border of an element to XYZ 29.3230, 28.4164, 22.3518 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(170, 139, 122) }
```


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

```
.border{ border-color:rgb(170, 139, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 139, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 139, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 139, 122); box-shadow:4px 4px 4px 4px rgb(170, 139, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3230, 28.4164, 22.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 139, 122) }
```

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

```
.background{ background-color: rgb(170,  
139, 122) }
```

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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