

Converting Colors

XYZ(28.1941, 28.3040, 12.1676)

Have a look what the booklet for
XYZ(28.1941, 28.3040, 12.1676)
contains.

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Color

**XYZ(28.1730, 28.2649,
12.1544)**

Conversions

Conversions Part 1	
Format	Color
Hex	AD8C53
RGB	173, 140, 83
RGB Percent	68%, 55%, 33%
CMY	0.3216, 0.4510, 0.6745
CMYK	0.00, 0.19, 0.52, 0.32
HSL	38°, 35%, 50%
HSV	38°, 52%, 68%
XYZ	28.1730, 28.2649, 12.1544
YIQ	143.3690, 37.9650, -10.7310

Conversions

Conversions Part 2

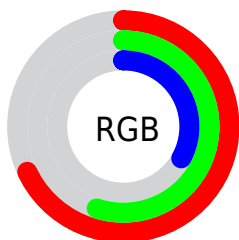
Format	Color
RYB	135, 173, 83
Decimal	11373651
CIELab	60.13, 5.24, 34.96
CIELCh	60, 35.346, 81.472
Yxy	28.2649, 0.4107, 0.4121
Android (android.graphics.Color)	4289563731 (0xFFAD8C53)
YUV	143.3690, -29.7619, 25.9864
Hunter-Lab	53.1647, 1.5522, 23.6606

Details

The XYZ color **28.1730, 28.2649, 12.1544** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.3553, 17.3463, 41.9685**, and the grayscale version is **26.3613, 27.7341, 30.2025**.

A 20% lighter version of the original color is **56.0062, 56.6842, 30.5435**, and **11.4458, 11.2913, 3.2452** is the 20% darker color. If you saturate the color by 10%, you get **26.6866, 26.2309, 8.7648**, and if you desaturate by 10%, it is **29.8809, 30.4751, 16.4407**.

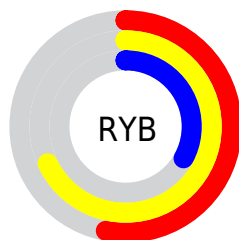
Distribution



Red (68%)

Green (55%)

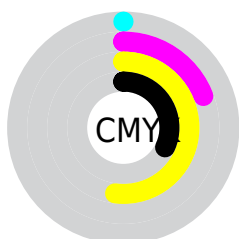
Blue (33%)



Red (53%)

Yellow (68%)

Blue (33%)

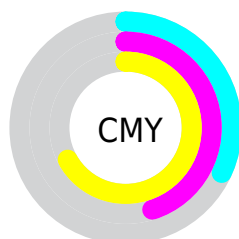


Cyan (0%)

Magenta (19%)

Yellow (52%)

Black (32%)



Cyan (32%)


Magenta (45%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1730, 28.2649, 12.1544 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 28.1730, 28.2649, 12.1544 by changing the saturation by 10% instead.


 28.1730, 28.2649,
12.1544


 28.1730, 28.2649,
12.1544


285.3578,
293.7305, 216.4389


 18.5972, 18.5254,
6.7251


 56.1672, 56.9071,
30.4446

 11.4819, 11.3279,
3.2150


 75.3164, 76.5786,
44.1426


 6.4616, 6.2878,
1.2054


 98.3874, 100.3296,
61.4339

 3.1711, 3.0209,
0.0000

 125.7457,
128.5445, 82.7370

 1.2449, 1.1426,
0.0000

 157.7565,
161.6076, 108.4705

 0.1413, 0.0141,
0.0000


194.7852,


 0.0000, 0.0000,


199.9034, 139.0530


0.0000


237.1972,
243.8163, 174.9029


 28.1730, 28.2649,
12.1544


 28.1730, 28.2649,
12.1544


 26.6866, 26.2309,
8.7648


 29.8809, 30.4751,
16.4407


 25.4061, 24.3623,
6.2033


 31.8204, 32.8638,
21.6819


 24.3168, 22.6528,
4.3942

 34.0035, 35.4381,
27.9334

 23.4006, 21.0936,
3.2466

 36.4404, 38.2035,
35.2458

 22.7636, 19.9444,
2.6499

 39.1410, 41.1652,
43.6662

■ 42.1143, 44.3282,
53.2389

■ 45.3690, 47.6972,
64.0059

■ 48.9135, 51.2766,
76.0068

■ 52.7556, 55.0709,
89.2796

Harmonies

Analogous

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



32.6435, 28.2649, 15.1350



28.1730, 28.2649, 12.1544



23.8108, 28.2649, 12.9521

Triad

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



28.1730, 28.2649, 12.1544



19.5688, 28.2649, 40.8034



34.2449, 28.2649, 49.0059

Complementary

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



28.1730, 28.2649, 12.1544



17.3553, 17.3463, 41.9685

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.



30.1697, 28.2649, 60.1959



28.1730, 28.2649, 12.1544



21.8120, 28.2649, 54.6116

Square

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



28.1730, 28.2649, 12.1544



19.1616, 28.2649, 27.2340



25.5980, 28.2649, 62.4934



36.3975, 28.2649, 34.6118

Rectangle

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



28.1730, 28.2649, 12.1544



21.5160, 28.2649, 15.6524



25.5980, 28.2649, 62.4934



33.0342, 28.2649, 53.4169

Sweetspot

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



28.1737, 28.2662, 12.1550



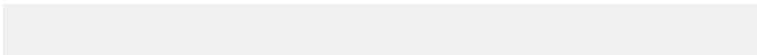
63.3484, 66.2698, 57.3103



23.4794, 16.3320, 18.4382



13.5799, 14.1894, 11.8939



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.



28.1737, 28.2662, 12.1550



47.5341, 46.6094, 15.1423



31.2029, 38.0887, 13.8912



8.4120, 8.8289, 8.4742



16.7792, 14.7639, 1.9654



0.5165, 0.5103, 0.0713

Inverse Universe

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



17.3553, 17.3463, 41.9685



26.1235, 25.0348, 74.2611



15.3557, 11.6369, 40.9719



7.8104, 8.2201, 10.1277



6.9151, 4.9640, 29.6382



0.2455, 0.2443, 0.8422

Previews

White Background



This preview shows how the XYZ color 28.1730, 28.2649, 12.1544 looks on a white background.

Color Contrast Check

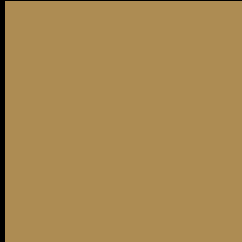
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1730, 28.2649, 12.1544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

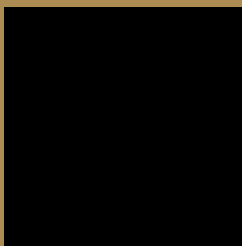
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1730, 28.2649, 12.1544

Background



This preview shows how black text looks on a background with the XYZ color 28.1730, 28.2649, 12.1544.



This preview shows how white text looks on a background with the XYZ color 28.1730, 28.2649,

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

28.1730, 28.2649, 12.1544

Protanopia

26.0632, 28.2776, 12.6788

Deuteranopia

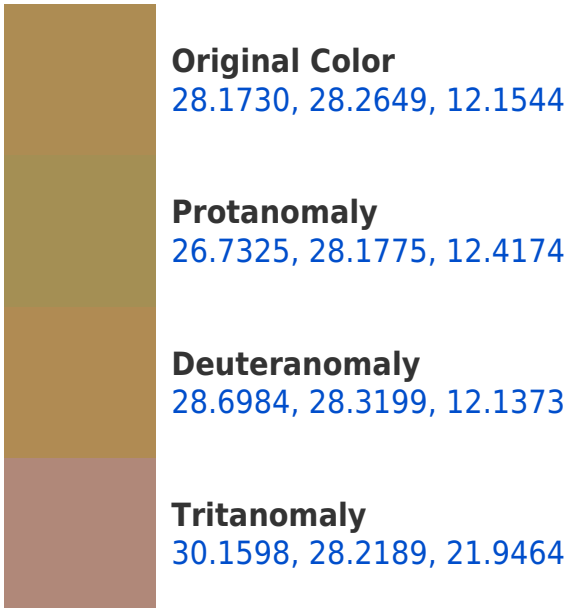
28.7813, 28.1486, 12.0999



Tritanopia

31.7056, 28.2232, 29.7632

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1730, 28.2649, 12.1544 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(173, 140, 83) looks like.

```
.text, #text, p{  
    color:rgb(173, 140, 83)  
}
```

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(173, 140, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 140, 83) }
```

Border

The CSS property to change the border of an element to XYZ 28.1730, 28.2649, 12.1544 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(173, 140, 83) }
```


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

```
.border{ border-color:rgb(173, 140, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 140, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 140, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 140, 83);  
box-shadow:4px 4px 4px 4px rgb(173, 140,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1730, 28.2649, 12.1544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 140, 83) }
```

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

```
.background{ background-color: rgb(173,  
140, 83) }
```

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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