

Converting Colors

XYZ(28.8001, 28.3345, 13.8487)

Have a look what the booklet for
XYZ(28.8001, 28.3345, 13.8487)
contains.

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Color

**XYZ(28.8001, 28.3345,
13.8487)**

Conversions

Conversions Part 1

Format	Color
Hex	AF8B5B
RGB	175, 139, 91
RGB Percent	69%, 55%, 36%
CMY	0.3137, 0.4549, 0.6431
CMYK	0.00, 0.21, 0.48, 0.31
HSL	34°, 34%, 52%
HSV	34°, 48%, 69%
XYZ	28.8001, 28.3345, 13.8487
YIQ	144.2920, 36.8640, -7.2960

Conversions

Conversions Part 2

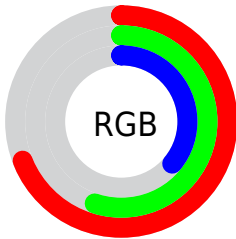
Format	Color
RYB	154, 175, 91
Decimal	11504475
CIELab	60.19, 7.43, 30.78
CIELCh	60, 31.665, 76.433
Yxy	28.3345, 0.4057, 0.3992
Android (android.graphics.Color)	4289694555 (0xFFAF8B5B)
YUV	144.2920, -26.2730, 26.9309
Hunter-Lab	53.2302, 3.4244, 21.8358

Details

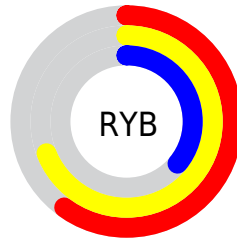
The XYZ color **28.8001, 28.3345, 13.8487** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.6413, 20.4972, 43.4784**, and the grayscale version is **26.7199, 28.1114, 30.6133**.

A 20% lighter version of the original color is **57.0108, 56.8081, 33.5514**, and **11.7727, 11.3197, 3.9473** is the 20% darker color. If you saturate the color by 10%, you get **27.0828, 25.9704, 9.9762**, and if you desaturate by 10%, it is **30.7694, 30.9208, 18.6743**.

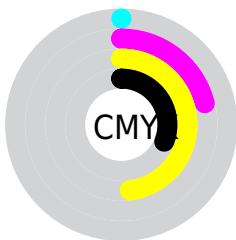
Distribution



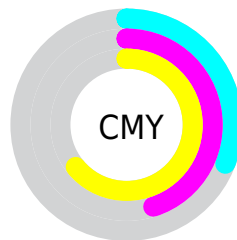
- Red (69%)
- Green (55%)
- Blue (36%)



- Red (60%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (21%)
- Yellow (48%)
- Black (31%)



- Cyan (31%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8001, 28.3345, 13.8487 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 28.8001, 28.3345, 13.8487 by changing the saturation by 10% instead.

■ 28.8001, 28.3345,
13.8487

■ 28.8001, 28.3345,
13.8487

288.2819,
294.0618, 227.6832

■ 19.0732, 18.5780,
7.8780

■ 57.1591, 57.0180,
33.5336

■ 11.8275, 11.3657,
3.9303

■ 76.5219, 76.7138,
48.0848

■ 6.6977, 6.3134,
1.5872

■ 99.8273, 100.4915,
66.3333

■ 3.3184, 3.0366,
0.2817

■ 127.4408,
128.7355, 88.6975

■ 1.3243, 1.1509,
0.0000

159.7276,
161.8301, 115.5961

■ 0.2013, 0.0210,
0.0000

197.0531,

■ 0.0000, 0.0000,

200.1597, 147.4475

0.0000

239.7828,
244.1089, 184.6704

■ 28.8001, 28.3345,
13.8487

■ 28.8001, 28.3345,
13.8487

■ 27.0828, 25.9704,
9.9762

■ 30.7694, 30.9208,
18.6743

■ 25.6014, 23.8164,
6.9893

■ 33.0012, 33.7325,
24.5108

■ 24.3411, 21.8652,
4.8139

■ 35.5079, 36.7779,
31.4136

■ 23.2840, 20.1071,
3.3634

■ 38.3004, 40.0635,
39.4332

■ 22.4016, 18.5281,
2.4961

■ 41.3890, 43.5956,
48.6172

■ 22.2371, 18.2299,
2.3467

■ 44.7834, 47.3802,
59.0103

■ 48.4928, 51.4229,
70.6546

■ 52.5259, 55.7292,
83.5906

■ 56.8913, 60.3045,
97.8566

Harmonies

Analogous

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



32.6647, 28.3345, 17.3451



28.8001, 28.3345, 13.8487



24.7868, 28.3345, 14.0188

Triad

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



28.8001, 28.3345, 13.8487



20.1289, 28.3345, 37.6033



32.9791, 28.3345, 48.9236

Complementary

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



28.8001, 28.3345, 13.8487



19.6413, 20.4972, 43.4784

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.



29.1956, 28.3345, 57.5792



28.8001, 28.3345, 13.8487



21.9110, 28.3345, 50.0048

Square

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



28.8001, 28.3345, 13.8487



20.0460, 28.3345, 25.9084



25.1447, 28.3345, 58.0182



35.2358, 28.3345, 36.3864

Rectangle

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



28.8001, 28.3345, 13.8487



22.5645, 28.3345, 16.1578



25.1447, 28.3345, 58.0182



31.8275, 28.3345, 52.5073

Sweetspot

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



28.8008, 28.3359, 13.8493



65.4116, 68.0279, 61.4179



25.2773, 18.1391, 22.3848



14.3084, 14.8473, 12.9960



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.8008, 28.3359, 13.8493



48.2197, 46.1084, 17.2610



33.6664, 39.8945, 15.8239



8.3708, 8.7465, 8.4604



15.9868, 13.1790, 1.7012



0.4976, 0.4724, 0.0650

Inverse Universe

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



19.6413, 20.4972, 43.4784



29.7945, 30.3608, 76.9268



16.3664, 13.0971, 42.2226



7.8505, 8.3004, 10.1411



7.4014, 5.9367, 29.8003



0.2609, 0.2752, 0.8473

Previews

White Background



This preview shows how the XYZ color 28.8001, 28.3345, 13.8487 looks on a white background.

Color Contrast Check

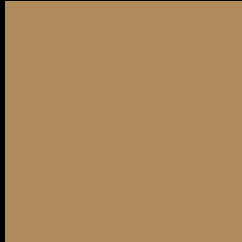
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8001, 28.3345, 13.8487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

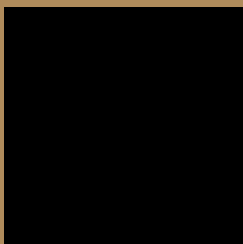
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8001, 28.3345, 13.8487

Background



This preview shows how black text looks on a background with the XYZ color 28.8001, 28.3345, 13.8487.



This preview shows how white text looks on a background with the XYZ color 28.8001, 28.3345,

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

28.8001, 28.3345, 13.8487

Protanopia

26.2017, 28.3102, 14.4394

Deuteranopia

28.8001, 28.3345, 13.8487



Tritanopia

32.1678, 28.4615, 29.7848

Trichromacy



Original Color

28.8001, 28.3345, 13.8487

Protanomaly

27.0641, 28.3101, 14.1632

Deuteranomaly

28.8001, 28.3345, 13.8487

Tritanomaly

30.6622, 28.2482, 22.9052

Monochromacy



Original Color

28.8001, 28.3345, 13.8487

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.8922, 27.7952, 23.3497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8001, 28.3345, 13.8487 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(175, 139, 91)` looks like.

```
.text, #text, p{  
    color:rgb(175, 139, 91)  
}
```

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(175, 139, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 139, 91) }
```

Border

The CSS property to change the border of an element to XYZ 28.8001, 28.3345, 13.8487 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(175, 139, 91) }
```


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

```
.border{ border-color:rgb(175, 139, 91) }
```

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

Here you see how a box with a 4 pixel rgb(175, 139, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 139, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 139, 91);  
box-shadow:4px 4px 4px 4px rgb(175, 139,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8001, 28.3345, 13.8487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 139, 91) }
```

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

```
.background{ background-color: rgb(175,  
139, 91) }
```

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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