

Converting Colors

XYZ(28.2249, 27.4188, 17.8169)

Have a look what the booklet for
XYZ(28.2249, 27.4188, 17.8169)
contains.

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Color

**XYZ(28.1771, 27.4989,
17.7326)**

Conversions

Conversions Part 1

Format	Color
Hex	AA896B
RGB	170, 137, 107
RGB Percent	67%, 54%, 42%
CMY	0.3333, 0.4627, 0.5804
CMYK	0.00, 0.19, 0.37, 0.33
HSL	29°, 27%, 54%
HSV	29°, 37%, 67%
XYZ	28.1771, 27.4989, 17.7326
YIQ	143.4470, 29.2980, -2.3340

Conversions

Conversions Part 2

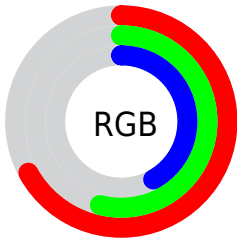
Format	Color
R_{YB}	170, 164, 107
Decimal	11176299
CIE _{Lab}	59.43, 8.25, 20.84
CIE _{LCh}	59, 22.411, 68.403
Yxy	27.4989, 0.3838, 0.3746
Android (android.graphics.Color)	4289366379 (0xFFAA896B)
YUV	143.4470, -17.9684, 23.2870
Hunter-Lab	52.4394, 4.1439, 16.6584

Details

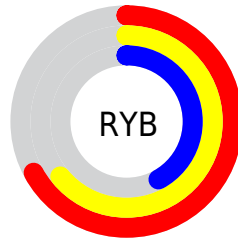
The XYZ color **28.1771, 27.4989, 17.7326** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.6969, 24.7835, 41.6178**, and the grayscale version is **26.3492, 27.7215, 30.1887**.

A 20% lighter version of the original color is **56.0355, 55.4989, 40.5599**, and **11.4001, 10.8452, 5.6301** is the 20% darker color. If you saturate the color by 10%, you get **26.1554, 24.7489, 13.0716**, and if you desaturate by 10%, it is **30.4805, 30.5308, 23.3557**.

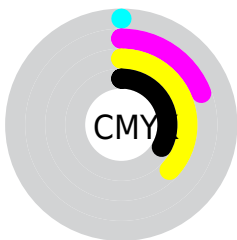
Distribution



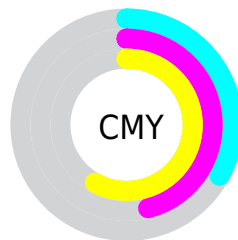
- Red (67%)
- Green (54%)
- Blue (42%)



- Red (67%)
- Yellow (64%)
- Blue (42%)



- Cyan (0%)
- Magenta (19%)
- Yellow (37%)
- Black (33%)





- Cyan (33%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1771, 27.4989, 17.7326 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 28.1771, 27.4989, 17.7326 by changing the saturation by 10% instead.


 28.1771, 27.4989,
17.7326


 28.1771, 27.4989,
17.7326


285.3770,
290.0647, 251.5448


 18.6003, 17.9483,
10.5907


 56.1737, 55.6834,
40.3889


 11.4841, 10.9129,
5.6817


 75.3243, 75.0861,
56.7404

 6.4631, 6.0083,
2.5869


 98.3969, 98.5415,
76.9989

 3.1720, 2.8501,
0.8857

 125.7568,
126.4342, 101.5829

 1.2454, 1.0540,
0.0000

157.7694,
159.1484, 130.9110

 0.1417, 0.0000,
0.0000

194.8001,

 0.0000, 0.0000,

197.0687, 165.4016

0.0000

237.2141,
240.5793, 205.4734

■ 28.1771, 27.4989,
17.7326

■ 28.1771, 27.4989,
17.7326

■ 26.1554, 24.7489,
13.0716

■ 30.4805, 30.5308,
23.3557

■ 24.4005, 22.2677,
9.3156

■ 33.0755, 33.8493,
29.9901

■ 22.8990, 20.0468,
6.4040

■ 35.9739, 37.4640,
37.6835

■ 21.6354, 18.0757,
4.2682

■ 39.1863, 41.3827,
46.4804

■ 20.5918, 16.3427,
2.8282

■ 42.7227, 45.6129,
56.4223

■ 19.7430, 14.8329,
1.9661

■ 46.5925, 50.1618,
67.5489

■ 19.5173, 14.4253,
1.7557

■ 50.8049, 55.0364,
79.8978

■ 55.3686, 60.2435,
93.5050

■ 59.4762, 65.4632,
104.1087

Harmonies

Analogous

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



30.6052, 27.4989, 21.3191



28.1771, 27.4989, 17.7326



25.3550, 27.4989, 17.0913

Triad

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



28.1771, 27.4989, 17.7326



21.1466, 27.4989, 32.2609



29.6399, 27.4989, 43.7832

Complementary

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



28.1771, 27.4989, 17.7326



22.6969, 24.7835, 41.6178

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.



26.9346, 27.4989, 48.0124



28.1771, 27.4989, 17.7326



22.1261, 27.4989, 40.6225

Square

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



28.1771, 27.4989, 17.7326



21.4269, 27.4989, 24.5981



24.1976, 27.4989, 46.7623



31.4910, 27.4989, 36.0079

Rectangle

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



28.1771, 27.4989, 17.7326



23.6495, 27.4989, 18.2859



24.1976, 27.4989, 46.7623



28.7929, 27.4989, 45.7248

Sweetspot

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



28.1778, 27.5002, 17.7332



63.0249, 65.1922, 62.3536



26.6135, 20.9729, 27.6893



13.9009, 14.3463, 13.4964



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.



28.1778, 27.5002, 17.7332



48.2422, 45.9890, 25.4812



33.2158, 37.5761, 19.4125



7.8148, 8.1096, 7.9427



14.4123, 10.7218, 1.3099



0.4022, 0.3639, 0.0490

Inverse Universe

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



22.6969, 24.7835, 41.6178



36.9115, 40.3695, 74.8485



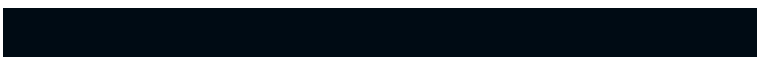
18.7987, 16.9870, 40.3184



7.4447, 7.9263, 9.5559



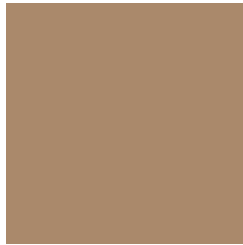
8.0238, 7.5077, 29.0017



0.2459, 0.2841, 0.7225

Previews

White Background



This preview shows how the XYZ color 28.1771, 27.4989, 17.7326 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 28.1771, 27.4989, 17.7326 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 28.1771, 27.4989, 17.7326

Background



This preview shows how black text looks on a background with the XYZ color 28.1771, 27.4989, 17.7326.



This preview shows how white text looks on a background with the XYZ color 28.1771, 27.4989,

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

28.1771, 27.4989, 17.7326

Protanopia

25.7738, 27.5430, 18.7098

Deuteranopia

27.9617, 27.3879, 17.7226



Tritanopia

30.5893, 27.4542, 29.2781

Trichromacy



Original Color

28.1771, 27.4989, 17.7326

Protanomaly

26.5833, 27.5248, 18.3797

Deuteranomaly

27.9617, 27.3879, 17.7226

Tritanomaly

29.7211, 27.5194, 24.5142

Monochromacy



Original Color

28.1771, 27.4989, 17.7326

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.6910, 27.4338, 25.0076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1771, 27.4989, 17.7326 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, 137, 107)` looks like.

```
.text, #text, p{  
    color:rgb(170, 137, 107)  
}
```

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, 137, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 137, 107) }
```

Border

The CSS property to change the border of an element to XYZ 28.1771, 27.4989, 17.7326 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, 137, 107) }
```


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

```
.border{ border-color:rgb(170, 137, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 137, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 137, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 137, 107);  
box-shadow:4px 4px 4px 4px rgb(170, 137,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1771, 27.4989, 17.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 137, 107) }
```

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

```
.background{ background-color: rgb(170,  
137, 107) }
```

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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