

# Converting Colors

XYZ(27.2271, 28.0889, 17.8966)

Have a look what the booklet for  
XYZ(27.2271, 28.0889, 17.8966)  
contains.

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# Color

**XYZ(27.2271, 28.0889,  
17.8966)**

# Conversions

Conversions Part 1	
Format	Color
Hex	A28E6B
RGB	162, 142, 107
RGB Percent	64%, 56%, 42%
CMY	0.3647, 0.4431, 0.5804
CMYK	0.00, 0.12, 0.34, 0.36
HSL	38°, 23%, 53%
HSV	38°, 34%, 64%
XYZ	27.2271, 28.0889, 17.8966
YIQ	143.9900, 23.1550, -6.6450

# Conversions

## Conversions Part 2

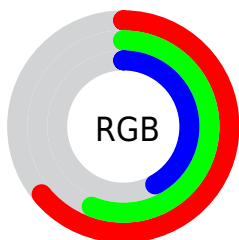
Format	Color
<a href="#">RYB</a>	<a href="#">138, 162, 107</a>
Decimal	<a href="#">10653291</a>
CIELab	<a href="#">59.97, 2.15, 21.43</a>
CIELCh	<a href="#">60, 21.533, 84.269</a>
Yxy	<a href="#">28.0889, 0.3719, 0.3837</a>
Android (android.graphics.Color)	<a href="#">4288843371</a> (0xFFA28E6B)
YUV	<a href="#">143.9900, -18.2361, 15.7948</a>
Hunter-Lab	<a href="#">52.9990, -1.0476, 17.0783</a>

# Details

The XYZ color **27.2271, 28.0889, 17.8966** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.1741, 20.9125, 37.1556**, and the grayscale version is **26.5704, 27.9541, 30.4420**.

A 20% lighter version of the original color is **54.9114, 56.8885, 40.8873**, and **10.9232, 11.2213, 5.7279** is the 20% darker color. If you saturate the color by 10%, you get **25.6003, 26.0738, 13.5361**, and if you desaturate by 10%, it is **29.0613, 30.2631, 23.1147**.

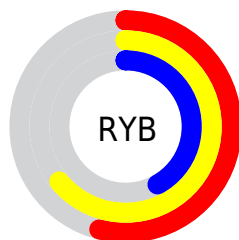
# Distribution



Red (64%)

Green (56%)

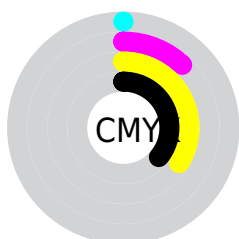
Blue (42%)



Red (54%)

Yellow (64%)

Blue (42%)

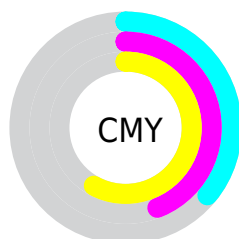


Cyan (0%)

Magenta (12%)

Yellow (34%)

Black (36%)



Cyan (36%)

Magenta (44%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2271, 28.0889, 17.8966 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 27.2271, 28.0889, 17.8966 by changing the saturation by 10% instead.





 27.2271, 28.0889,  
17.8966


 27.2271, 28.0889,  
17.8966


280.9026,  
292.8915, 252.5041

 17.8813, 18.3927,  
10.7071


 54.6654, 56.6263,  
40.6726


 10.9640, 11.2323,  
5.7586


 73.4886, 76.2364,  
57.0962

 6.1097, 6.2233,  
2.6324


 96.2017, 99.9198,  
77.4349

 2.9532, 2.9813,  
0.9091

 123.1700,  
128.0610, 102.1073

 1.1291, 1.1220,  
0.0000

154.7589,  
161.0443, 131.5318

 0.0492, 0.0000,  
0.0000


191.3337,


 0.0000, 0.0000,


199.2543, 166.1271


0.0000


233.2598,  
243.0752, 206.3117


 27.2271, 28.0889,  
17.8966


 27.2271, 28.0889,  
17.8966


 25.6003, 26.0738,  
13.5361

 29.0613, 30.2631,  
23.1147


 24.1692, 24.2090,  
9.9843


 31.1098, 32.5971,  
29.2323


 22.9239, 22.4903,  
7.1896


 33.3816, 35.0968,  
36.2907


 21.8528, 20.9119,  
5.0941


 35.8846, 37.7663,  
44.3281


 20.9424, 19.4672,  
3.6311


 38.6262, 40.6096,  
53.3803


 20.1769, 18.1486,  
2.7211

 41.6135, 43.6306,  
63.4817

 19.7607, 17.4022,  
2.3175

 44.8533, 46.8331,  
74.6648

 48.3521, 50.2205,  
86.9608

 52.1161, 53.7963,  
100.3995

# Harmonies

## Analogous

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



29.8931, 28.0889, 19.9008



27.2271, 28.0889, 17.8966



24.5909, 28.0889, 18.7909

# Triad

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



27.2271, 28.0889, 17.8966



22.1783, 28.0889, 37.2122



31.2054, 28.0889, 40.2657

# Complementary

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



27.2271, 28.0889, 17.8966



20.1741, 20.9125, 37.1556

# 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.



28.9215, 28.0889, 46.4990



27.2271, 28.0889, 17.8966



23.7385, 28.0889, 44.5355

# Square

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



27.2271, 28.0889, 17.8966



21.7925, 28.0889, 29.1023



26.1751, 28.0889, 48.1817



32.2886, 28.0889, 32.1153



# Rectangle

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



27.2271, 28.0889, 17.8966



23.1874, 28.0889, 21.0044



26.1751, 28.0889, 48.1817



30.5454, 28.0889, 42.7068

# Sweetspot

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



27.2278, 28.0902, 17.8972



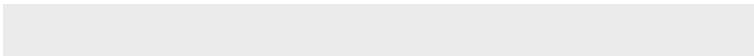
57.9802, 60.8484, 57.6826



23.9998, 19.7337, 22.6800



12.9005, 13.5316, 12.5800



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



27.2278, 28.0902, 17.8972



47.0858, 48.1058, 26.1633



29.0279, 33.8378, 18.9117



7.4318, 7.8021, 7.4943



15.6099, 13.7937, 1.8397



0.3705, 0.3749, 0.0528



# Inverse Universe

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



20.1741, 20.9125, 37.1556



32.2381, 33.0053, 66.7277



18.7624, 16.7242, 36.4216



6.9015, 7.2619, 8.9410



6.4039, 4.5872, 27.4777



0.1784, 0.1841, 0.5920



# Previews

## White Background



This preview shows how the XYZ color 27.2271, 28.0889, 17.8966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

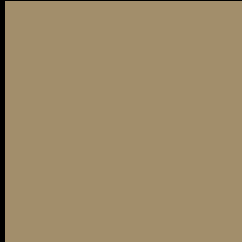
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 27.2271, 28.0889, 17.8966 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 27.2271, 28.0889, 17.8966**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2271, 28.0889, 17.8966.



This preview shows how white text looks on a background with the XYZ color 27.2271, 28.0889,



# 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

27.2271, 28.0889, 17.8966

### Protanopia

26.1976, 27.9978, 18.2107

### Deuteranopia

28.7340, 28.2059, 18.1172



## Tritanopia

29.9380, 28.1049, 31.4506

# Trichromacy



**Original Color**  
27.2271, 28.0889, 17.8966

**Protanomaly**  
26.6298, 27.9967, 18.1877

**Deuteranomaly**  
28.2333, 28.1637, 18.1354

**Tritanomaly**  
28.9145, 28.1305, 25.7356

# Monochromacy



**Original Color**  
27.2271, 28.0889, 17.8966

**Achromatopsia**  
26.5089, 27.8894, 30.3716

**Achromatomaly**  
26.6817, 27.8629, 25.4445

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2271, 28.0889, 17.8966 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(162, 142, 107) looks like.

```
.text, #text, p{  
    color:rgb(162, 142, 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(162, 142, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 142, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2271, 28.0889, 17.8966 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(162, 142, 107) }
```



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

```
.border{ border-color:rgb(162, 142, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 142, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 142, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 142, 107);  
box-shadow:4px 4px 4px 4px rgb(162, 142,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2271, 28.0889, 17.8966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 142, 107) }
```

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

```
.background{ background-color: rgb(162,  
142, 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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