

Converting Colors

XYZ(27.9693, 29.0094, 18.6909)

Have a look what the booklet for
XYZ(27.9693, 29.0094, 18.6909)
contains.

XYZ(27.8378, 28.8372, 18.5669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.8378, 28.8372,
18.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	A3906D
RGB	163, 144, 109
RGB Percent	64%, 56%, 43%
CMY	0.3608, 0.4353, 0.5725
CMYK	0.00, 0.12, 0.33, 0.36
HSL	39°, 23%, 53%
HSV	39°, 33%, 64%
XYZ	27.8378, 28.8372, 18.5669
YIQ	145.6910, 22.5590, -6.8570

Conversions

Conversions Part 2

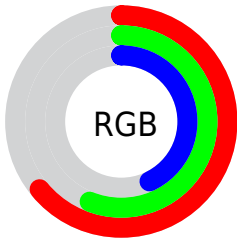
Format	Color
R_{YB}	138, 163, 109
Decimal	10719341
CIE _{Lab}	60.64, 1.71, 21.23
CIE _{LCh}	61, 21.297, 85.383
Yxy	28.8372, 0.3700, 0.3833
Android (android.graphics.Color)	4288909421 (0xFFA3906D)
YUV	145.6910, -18.0887, 15.1800
Hunter-Lab	53.7003, -1.4425, 17.0906

Details

The XYZ color **27.8378, 28.8372, 18.5669** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.6364, 21.3331, 37.6803**, and the grayscale version is **27.2609, 28.6806, 31.2332**.

A 20% lighter version of the original color is **55.8405, 58.0214, 41.9744**, and **11.2754, 11.6573, 6.0707** is the 20% darker color. If you saturate the color by 10%, you get **26.1941, 26.8262, 14.0841**, and if you desaturate by 10%, it is **29.6898, 31.0042, 23.9227**.

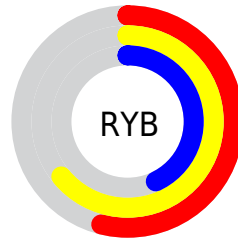
Distribution



Red (64%)

Green (56%)

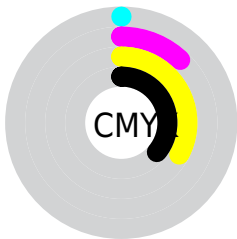
Blue (43%)



Red (54%)

Yellow (64%)

Blue (43%)

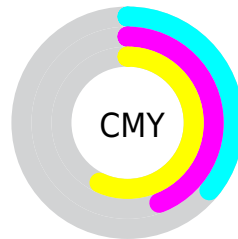


Cyan (0%)

Magenta (12%)

Yellow (33%)

Black (36%)



Cyan (36%)

Magenta (44%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8378, 28.8372, 18.5669 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 27.8378, 28.8372, 18.5669 by changing the saturation by 10% instead.

■ 27.8378, 28.8372,
18.5669

■ 27.8378, 28.8372,
18.5669

283.7852,
296.4461, 256.3898

■ 18.3433, 18.9577,
11.1841

■ 55.6358, 57.8183,
41.8279

■ 11.2979, 11.6397,
6.0751

■ 74.6700, 77.6887,
58.5431

■ 6.3363, 6.4989,
2.8213

■ 97.6148, 101.6583,
79.2063

■ 3.0932, 3.1507,
1.0041

■ 124.8356,
130.1113, 104.2360

■ 1.2033, 1.2109,
0.0000

156.6976,
163.4321, 134.0506

■ 0.1089, 0.0706,
0.0000

193.5664,

■ 0.0000, 0.0000,

202.0053, 169.0687

0.0000

235.8071,
246.2151, 209.7090

■ 27.8378, 28.8372,
18.5669

■ 27.8378, 28.8372,
18.5669

■ 26.1941, 26.8262,
14.0841

■ 29.6898, 31.0042,
23.9227

■ 24.7469, 24.9623,
10.4248

■ 31.7569, 33.3278,
30.1936

■ 23.4864, 23.2416,
7.5372

■ 34.0482, 35.8136,
37.4214

■ 22.4008, 21.6583,
5.3632

■ 36.5716, 38.4659,
45.6444

■ 21.4769, 20.2059,
3.8358

■ 39.3345, 41.2885,
54.8992

■ 20.6988, 18.8770,
2.8754

■ 42.3441, 44.2852,
65.2202

■ 20.2233, 18.0247,
2.4132

■ 45.6072, 47.4597,
76.6404

■ 49.1302, 50.8154,
89.1913

■ 52.8063, 54.3106,
102.3075

Harmonies

Analogous

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



30.5320, 28.8372, 20.4884



27.8378, 28.8372, 18.5669



25.1987, 28.8372, 19.5828

Triad

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



27.8378, 28.8372, 18.5669



22.8931, 28.8372, 38.3670



32.0071, 28.8372, 40.8373

Complementary

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



27.8378, 28.8372, 18.5669



20.6364, 21.3331, 37.6803

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.



29.7447, 28.8372, 47.2095



27.8378, 28.8372, 18.5669



24.5063, 28.8372, 45.6238

Square

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



27.8378, 28.8372, 18.5669



22.4572, 28.8372, 30.1926



26.9844, 28.8372, 49.0930



33.0397, 28.8372, 32.6367

Rectangle

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



27.8378, 28.8372, 18.5669



23.8059, 28.8372, 21.8971



26.9844, 28.8372, 49.0930



31.3582, 28.8372, 43.3148

Sweetspot

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



27.8385, 28.8385, 18.5675



58.0395, 60.9671, 57.7024



24.5222, 20.3037, 23.3261



12.9154, 13.5616, 12.5850



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.



27.8385, 28.8385, 18.5675



47.5818, 48.8792, 27.0021



29.5292, 34.3465, 19.5415



7.4387, 7.8159, 7.4966



15.7611, 14.0961, 1.8901



0.3730, 0.3798, 0.0537

Inverse Universe

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



20.6364, 21.3331, 37.6803



32.6088, 33.2837, 66.7619



19.3088, 17.3087, 36.9735



6.8948, 7.2486, 8.9388



6.3274, 4.4342, 27.4522



0.1761, 0.1795, 0.5912

Previews

White Background



This preview shows how the XYZ color 27.8378, 28.8372, 18.5669 looks on a white background.

Color Contrast Check

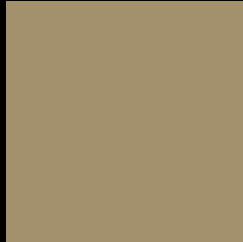
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8378, 28.8372, 18.5669 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

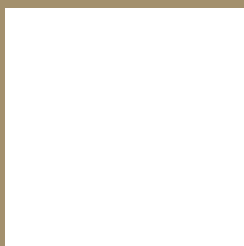
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8378, 28.8372, 18.5669

Background



This preview shows how black text looks on a background with the XYZ color 27.8378, 28.8372, 18.5669.



This preview shows how white text looks on a background with the XYZ color 27.8378, 28.8372,

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

27.8378, 28.8372, 18.5669

Protanopia

26.9980, 28.8517, 18.8978

Deuteranopia

29.2058, 28.6526, 18.7430



Tritanopia

30.8059, 28.9600, 32.4000

Trichromacy



Original Color

27.8378, 28.8372, 18.5669

Protanomaly

27.2379, 28.7475, 18.8651

Deuteranomaly

28.7015, 28.6106, 18.7615

Tritanomaly

29.5538, 28.8780, 26.5706

Monochromacy



Original Color

27.8378, 28.8372, 18.5669

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.3079, 28.6197, 26.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8378, 28.8372, 18.5669 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(163, 144, 109)` looks like.

```
.text, #text, p{  
    color:rgb(163, 144, 109)  
}
```

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(163, 144, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 144, 109) }
```

Border

The CSS property to change the border of an element to XYZ 27.8378, 28.8372, 18.5669 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(163, 144, 109) }
```


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

```
.border{ border-color:rgb(163, 144, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 144, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 144, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 144, 109);  
box-shadow:4px 4px 4px 4px rgb(163, 144,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8378, 28.8372, 18.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 144, 109) }
```

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

```
.background{ background-color: rgb(163,  
144, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor