

Converting Colors

XYZ(27.2847, 28.9916, 9.7007)

Have a look what the booklet for
XYZ(27.2847, 28.9916, 9.7007)
contains.

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Color

**XYZ(27.3172, 28.9930,
9.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	A89144
RGB	168, 145, 68
RGB Percent	66%, 57%, 27%
CMY	0.3412, 0.4314, 0.7333
CMYK	0.00, 0.14, 0.60, 0.34
HSL	46°, 42%, 46%
HSV	46°, 60%, 66%
XYZ	27.3172, 28.9930, 9.6253
YIQ	143.0990, 38.4250, -19.0710

Conversions

Conversions Part 2

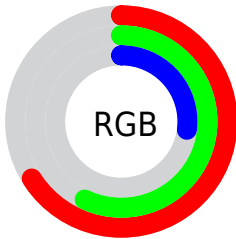
Format	Color
R_{YB}	98, 168, 68
Decimal	11047236
CIE Lab	60.78, -0.96, 43.28
CIE LCh	61, 43.288, 91.274
Yxy	28.9930, 0.4143, 0.4397
Android (android.graphics.Color)	4289237316 (0xFFA89144)
YUV	143.0990, -37.0238, 21.8382
Hunter-Lab	53.8451, -3.6708, 27.0930

Details

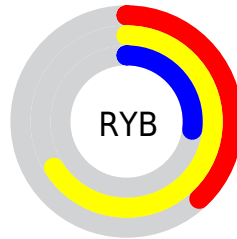
The XYZ color **27.3172, 28.9930, 9.6253** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.1927, 11.5378, 38.5772**, and the grayscale version is **26.2811, 27.6498, 30.1106**.

A 20% lighter version of the original color is **54.8045, 58.1863, 25.7953**, and **11.0034, 11.7356, 2.2156** is the 20% darker color. If you saturate the color by 10%, you get **26.2961, 27.6571, 7.1078**, and if you desaturate by 10%, it is **28.5067, 30.4306, 12.9244**.

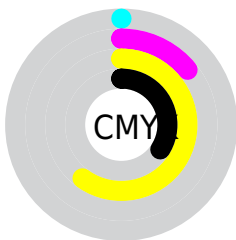
Distribution



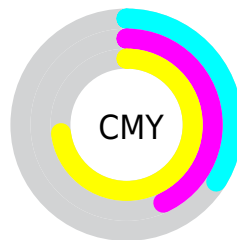
- Red (66%)
- Green (57%)
- Blue (27%)



- Red (38%)
- Yellow (66%)
- Blue (27%)



- Cyan (0%)
- Magenta (14%)
- Yellow (60%)
- Black (34%)



- Cyan (34%)
- Magenta (43%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3172, 28.9930, 9.6253 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 27.3172, 28.9930, 9.6253 by changing the saturation by 10% instead.

■ 27.3172, 28.9930,
9.6253

■ 27.3172, 28.9930,
9.6253

281.3293,
297.1819, 198.3631

■ 17.9494, 19.0755,
5.0489

■ 54.8088, 58.0660,
25.6850

■ 11.0131, 11.7249,
2.2167

■ 73.6632, 77.9902,
38.0054

■ 6.1430, 6.5566,
0.6840

■ 96.4107, 102.0189,
53.7442

■ 2.9737, 3.1864,
0.0000

■ 123.4164,
130.5364, 73.3199

■ 1.1399, 1.2298,
0.0000

■ 155.0457,
163.9270, 97.1511

■ 0.0581, 0.0858,
0.0000

191.6641,

■ 0.0000, 0.0000,

202.5752, 125.6564

0.0000

233.6368,
246.8654, 159.2542

■ 27.3172, 28.9930,
9.6253

■ 27.3172, 28.9930,
9.6253

■ 26.2961, 27.6571,
7.1078

■ 28.5067, 30.4306,
12.9244

■ 25.4282, 26.4131,
5.3020

■ 29.8742, 31.9707,
17.0636

■ 24.6987, 25.2561,
4.1285

■ 31.4307, 33.6192,
22.0977

■ 24.0759, 24.1728,
3.4199

■ 33.1860, 35.3803,
28.0763

■ 24.0470, 24.1222,
3.3886

■ 35.1489, 37.2577,
35.0455

■ 37.3278, 39.2551,
43.0483

■ 39.7304, 41.3760,
52.1251

■ 42.3644, 43.6236,
62.3142

■ 45.2366, 46.0010,
73.6520

Harmonies

Analogous

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



33.0880, 28.9930, 11.4534



27.3172, 28.9930, 9.6253



22.3156, 28.9930, 11.8073

Triad

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



27.3172, 28.9930, 9.6253



19.3091, 28.9930, 50.5303



38.1695, 28.9930, 48.9156

Complementary

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



27.3172, 28.9930, 9.6253



13.1927, 11.5378, 38.5772

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.



33.5608, 28.9930, 66.1267



27.3172, 28.9930, 9.6253



22.6795, 28.9930, 67.2606

Square

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



27.3172, 28.9930, 9.6253



18.0978, 28.9930, 32.2622



27.7982, 28.9930, 73.7577



39.8439, 28.9930, 30.8847

Rectangle

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



27.3172, 28.9930, 9.6253



19.9521, 28.9930, 15.8869



27.7982, 28.9930, 73.7577



36.8838, 28.9930, 55.1776

Sweetspot

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



27.3179, 28.9944, 9.6259



60.6259, 64.5981, 52.3605



20.1184, 13.2204, 11.4649



13.0083, 13.8782, 10.6977



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.3179, 28.9944, 9.6259



47.2536, 49.5440, 11.8630



26.0873, 34.1144, 10.6790



7.9984, 8.4769, 8.0039



18.1996, 18.2964, 2.5723



0.4777, 0.5150, 0.0742

Inverse Universe

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



13.1927, 11.5378, 38.5772



19.4139, 15.2067, 69.1371



13.8200, 9.3768, 38.1270



7.2666, 7.5701, 9.4965



5.9097, 3.2796, 28.2970



0.1808, 0.1538, 0.7008

Previews

White Background



This preview shows how the XYZ color 27.3172, 28.9930, 9.6253 looks on a white background.

Color Contrast Check

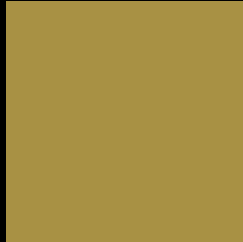
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3172, 28.9930, 9.6253 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 27.3172, 28.9930, 9.6253

Background



This preview shows how black text looks on a background with the XYZ color 27.3172, 28.9930, 9.6253.



This preview shows how white text looks on a background with the XYZ color 27.3172, 28.9930,

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

27.3172, 28.9930, 9.6253

Protanopia

26.6122, 29.0836, 9.8413

Deuteranopia

29.5083, 29.0096, 9.6744



Tritanopia

31.7498, 28.8289, 31.4949

Trichromacy



Original Color

27.3172, 28.9930, 9.6253

Protanomaly

26.8701, 28.9868, 9.8090

Deuteranomaly

28.6517, 29.0058, 9.7188

Tritanomaly

29.5159, 28.5439, 21.0934

Monochromacy



Original Color

27.3172, 28.9930, 9.6253

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.0745, 27.8829, 20.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3172, 28.9930, 9.6253 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(168, 145, 68)` looks like.

```
.text, #text, p{  
    color:rgb(168, 145, 68)  
}
```

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(168, 145, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 145, 68) }
```

Border

The CSS property to change the border of an element to XYZ 27.3172, 28.9930, 9.6253 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(168, 145, 68) }
```


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

```
.border{ border-color:rgb(168, 145, 68) }
```

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

Here you see how a box with a 4 pixel rgb(168, 145, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 145, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 145, 68);  
box-shadow:4px 4px 4px 4px rgb(168, 145,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3172, 28.9930, 9.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 145, 68) }
```

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

```
.background{ background-color: rgb(168,  
145, 68) }
```

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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