

Converting Colors

XYZ(27.2196, 29.5799, 12.2589)

Have a look what the booklet for
XYZ(27.2196, 29.5799, 12.2589)
contains.

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Color

**XYZ(27.2172, 29.5755,
12.2568)**

Conversions

Conversions Part 1

Format	Color
Hex	A39452
RGB	163, 148, 82
RGB Percent	64%, 58%, 32%
CMY	0.3608, 0.4196, 0.6784
CMYK	0.00, 0.09, 0.50, 0.36
HSL	49°, 33%, 48%
HSV	49°, 50%, 64%
XYZ	27.2172, 29.5755, 12.2568
YIQ	144.9610, 30.1260, -17.3460

Conversions

Conversions Part 2

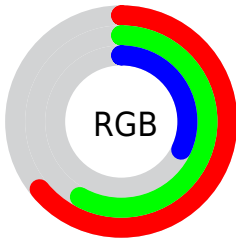
Format	Color
RYB	100, 163, 82
Decimal	10720338
CIELab	61.29, -3.57, 36.68
CIELCh	61, 36.857, 95.554
Yxy	29.5755, 0.3942, 0.4283
Android (android.graphics.Color)	4288910418 (0xFFA39452)
YUV	144.9610, -31.0398, 15.8202
Hunter-Lab	54.3834, -5.8371, 24.7057

Details

The XYZ color **27.2172, 29.5755, 12.2568** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3652, 12.9873, 36.4001**, and the grayscale version is **27.0120, 28.4187, 30.9480**.

A 20% lighter version of the original color is **54.5676, 58.9946, 30.7014**, and **10.9631, 12.1021, 3.2715** is the 20% darker color. If you saturate the color by 10%, you get **26.2022, 28.4230, 9.2135**, and if you desaturate by 10%, it is **28.3933, 30.8144, 16.0815**.

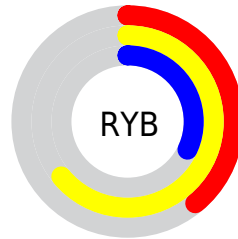
Distribution



Red (64%)

Green (58%)

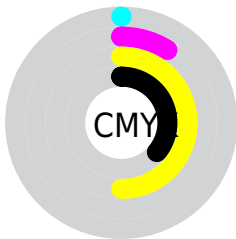
Blue (32%)



Red (39%)

Yellow (64%)

Blue (32%)

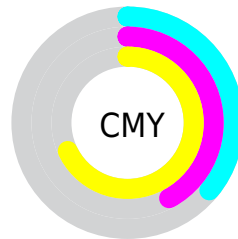


Cyan (0%)

Magenta (9%)

Yellow (50%)

Black (36%)



Cyan (36%)

Magenta (42%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2172, 29.5755, 12.2568 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 27.2172, 29.5755, 12.2568 by changing the saturation by 10% instead.

■ 27.2172, 29.5755,
12.2568

■ 27.2172, 29.5755,
12.2568

280.8556,
299.9207, 217.1359

■ 17.8738, 19.5166,
6.7942

■ 54.6496, 58.9902,
30.6333

■ 10.9586, 12.0442,
3.2572

■ 73.4694, 79.1148,
44.3843

■ 6.1061, 6.7738,
1.2274

■ 96.1787, 103.3634,
61.7351

■ 2.9510, 3.3210,
0.0012

■ 123.1429,
132.1205, 83.1043

■ 1.1279, 1.3015,
0.0000

■ 154.7274,
165.7703, 108.9105

■ 0.0483, 0.1424,
0.0000

191.2974,

■ 0.0000, 0.0000,

204.6974, 139.5721

0.0000

233.2184,
249.2861, 175.5077

■ 27.2172, 29.5755,
12.2568

■ 27.2172, 29.5755,
12.2568

■ 26.2022, 28.4230,
9.2135

■ 28.3933, 30.8144,
16.0815

■ 25.3355, 27.3483,
6.8938

■ 29.7381, 32.1395,
20.7360

■ 24.6057, 26.3479,
5.2351

■ 31.2611, 33.5560,
26.2672

■ 23.9986, 25.4158,
4.1631

■ 32.9705, 35.0672,
32.7179

■ 23.4830, 24.5395,
3.5133

■ 34.8740, 36.6764,
40.1278

■ 23.4675, 24.5130,
3.4946

■ 36.9788, 38.3866,
48.5347

■ 39.2917, 40.2006,
57.9741

■ 41.8192, 42.1212,
68.4797

■ 44.5676, 44.1510,
80.0839

Harmonies

Analogous

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



32.1513, 29.5755, 13.4881



27.2172, 29.5755, 12.2568



23.0269, 29.5755, 14.9883

Triad

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



27.2172, 29.5755, 12.2568



21.1826, 29.5755, 50.3732



37.4887, 29.5755, 44.5747

Complementary

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



27.2172, 29.5755, 12.2568



14.3652, 12.9873, 36.4001

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.



33.8924, 29.5755, 59.2009



27.2172, 29.5755, 12.2568



24.4236, 29.5755, 63.1676

Square

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



27.2172, 29.5755, 12.2568



19.8093, 29.5755, 34.8588



29.0234, 29.5755, 66.7919



38.4572, 29.5755, 29.6850

Rectangle

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



27.2172, 29.5755, 12.2568



21.0970, 29.5755, 19.3298



29.0234, 29.5755, 66.7919



36.5283, 29.5755, 49.8047

Sweetspot

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



27.2179, 29.5769, 12.2574



57.2954, 61.2694, 51.9344



20.3359, 14.7071, 13.3722



12.7327, 13.6401, 11.1556



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.



27.2179, 29.5769, 12.2574



46.6897, 50.6214, 15.8338



25.2178, 32.2669, 12.8821



7.5374, 8.0133, 7.5295



18.2692, 19.1123, 2.7262



0.4111, 0.4561, 0.0664

Inverse Universe

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



14.3652, 12.9873, 36.4001



20.9357, 17.4125, 64.3136



15.6081, 11.7619, 36.0981



6.8017, 7.0623, 8.9077



5.5278, 2.8349, 27.1856



0.1438, 0.1149, 0.5805

Previews

White Background



This preview shows how the XYZ color 27.2172, 29.5755, 12.2568 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 27.2172, 29.5755, 12.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

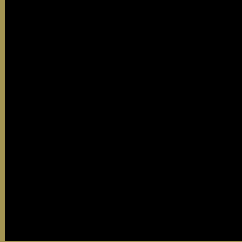
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.2172, 29.5755, 12.2568

Background



This preview shows how black text looks on a background with the XYZ color 27.2172, 29.5755, 12.2568.



This preview shows how white text looks on a background with the XYZ color 27.2172, 29.5755,

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

27.2172, 29.5755, 12.2568

Protanopia

27.2172, 29.5755, 12.2568

Deuteranopia

29.9475, 29.3931, 12.4825



Tritanopia

31.5416, 29.5366, 33.3169

Trichromacy



Original Color

27.2172, 29.5755, 12.2568

Protanomaly

27.2172, 29.5755, 12.2568

Deuteranomaly

28.9902, 29.5697, 12.3632

Tritanomaly

29.5247, 29.3668, 23.8509

Monochromacy



Original Color

27.2172, 29.5755, 12.2568

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.7406, 28.6383, 22.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2172, 29.5755, 12.2568 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, 148, 82)` looks like.

```
.text, #text, p{  
    color:rgb(163, 148, 82)  
}
```

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, 148, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 148, 82) }
```

Border

The CSS property to change the border of an element to XYZ 27.2172, 29.5755, 12.2568 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, 148, 82) }
```


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

```
.border{ border-color:rgb(163, 148, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 148, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 148, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 148, 82);  
box-shadow:4px 4px 4px 4px rgb(163, 148,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2172, 29.5755, 12.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 148, 82) }
```

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

```
.background{ background-color: rgb(163,  
148, 82) }
```

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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