

Converting Colors

XYZ(29.4927, 29.5656, 17.7601)

Have a look what the booklet for
XYZ(29.4927, 29.5656, 17.7601)
contains.

XYZ(29.4372, 29.4562, 17.7698)	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(29.4372, 29.4562,
17.7698)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8F6A
RGB	172, 143, 106
RGB Percent	67%, 56%, 42%
CMY	0.3255, 0.4392, 0.5843
CMYK	0.00, 0.17, 0.38, 0.33
HSL	34°, 28%, 55%
HSV	34°, 38%, 67%
XYZ	29.4372, 29.4562, 17.7698
YIQ	147.4530, 29.1610, -5.3590

Conversions

Conversions Part 2

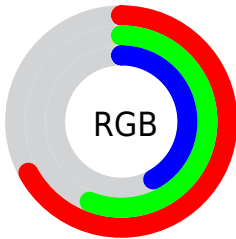
Format	Color
R_{YB}	158, 172, 106
Decimal	11308906
CIE _{Lab}	61.18, 5.61, 23.78
CIE _{LCh}	61, 24.429, 76.728
Yxy	29.4562, 0.3840, 0.3842
Android (android.graphics.Color)	4289498986 (0xFFAC8F6A)
YUV	147.4530, -20.4363, 21.5277
Hunter-Lab	54.2736, 1.8371, 18.5793

Details

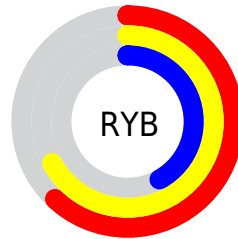
The XYZ color **29.4372, 29.4562, 17.7698** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.0539, 23.3698, 42.3780**, and the grayscale version is **27.9951, 29.4530, 32.0743**.

A 20% lighter version of the original color is **58.1327, 58.8951, 40.6517**, and **12.1493, 11.9857, 5.6761** is the 20% darker color. If you saturate the color by 10%, you get **27.5347, 26.9418, 13.1566**, and if you desaturate by 10%, it is **31.5971, 32.1979, 23.3545**.

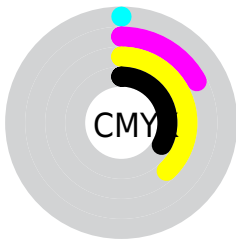
Distribution



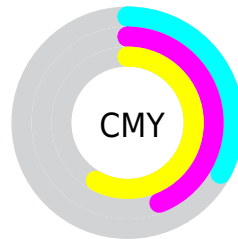
- Red (67%)
- Green (56%)
- Blue (42%)



- Red (62%)
- Yellow (67%)
- Blue (42%)



- Cyan (0%)
- Magenta (17%)
- Yellow (38%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4372, 29.4562, 17.7698 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 29.4372, 29.4562, 17.7698 by changing the saturation by 10% instead.

■ 29.4372, 29.4562,
17.7698

■ 29.4372, 29.4562,
17.7698

291.2294,
299.3614, 251.7627

■ 19.5577, 19.4262,
10.6171

■ 58.1638, 58.8011,
40.4533

■ 12.1804, 11.9786,
5.6991

■ 77.7416, 78.8848,
56.8212

■ 6.9397, 6.7291,
2.5972

■ 101.2829,
103.0886, 77.0979

■ 3.4704, 3.2933,
0.8910

■ 129.1531,
131.7967, 101.7020

■ 1.4071, 1.2867,
0.0000

161.7174,
165.3937, 131.0520

■ 0.2613, 0.1309,
0.0000

199.3414,

■ 0.0000, 0.0000,

204.2638, 165.5664

0.0000

242.3902,
248.7916, 205.6638

■ 29.4372, 29.4562,
17.7698

■ 29.4372, 29.4562,
17.7698

■ 27.5347, 26.9418,
13.1566

■ 31.5971, 32.1979,
23.3545

■ 25.8750, 24.6434,
9.4558

■ 34.0234, 35.1698,
29.9616

■ 24.4454, 22.5545,
6.6047

■ 36.7275, 38.3796,
37.6404

■ 23.2308, 20.6664,
4.5315

■ 39.7194, 41.8336,
46.4365

■ 22.2137, 18.9696,
3.1526

■ 43.0084, 45.5376,
56.3928

■ 21.3650, 17.4497,
2.3225

■ 46.6034, 49.4974,
67.5500

■ 21.2359, 17.2160,
2.2038

■ 50.5132, 53.7184,
79.9469

■ 54.7457, 58.2058,
93.6203

■ 58.3607, 62.5856,
103.6120

Harmonies

Analogous

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



32.4413, 29.4562, 20.8543



29.4372, 29.4562, 17.7698



26.2593, 29.4562, 17.9564

Triad

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



29.4372, 29.4562, 17.7698



22.4963, 29.4562, 37.4301



32.7323, 29.4562, 45.7681

Complementary

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



29.4372, 29.4562, 17.7698



22.0539, 23.3698, 42.3780

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.



29.8102, 29.4562, 52.1372



29.4372, 29.4562, 17.7698



23.9788, 29.4562, 46.7293

Square

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



29.4372, 29.4562, 17.7698



22.4132, 29.4562, 28.1861



26.6050, 29.4562, 52.5193



34.4394, 29.4562, 36.3013

Rectangle

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



29.4372, 29.4562, 17.7698



24.4685, 29.4562, 19.8965



26.6050, 29.4562, 52.5193



31.8499, 29.4562, 48.4151

Sweetspot

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



29.4379, 29.4576, 17.7704



64.6830, 67.3365, 62.6954



26.5901, 20.8481, 25.8038



13.9237, 14.4757, 13.2457



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.



29.4379, 29.4576, 17.7704



50.4568, 49.5565, 25.0518



33.6519, 38.9474, 19.3800



8.3637, 8.7322, 8.4580



15.8584, 12.9223, 1.6584



0.4944, 0.4660, 0.0639

Inverse Universe

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



22.0539, 23.3698, 42.3780



35.1507, 36.9451, 76.0842



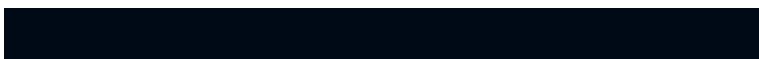
18.9444, 16.5573, 41.2270



7.8576, 8.3145, 10.1434



7.4952, 6.1243, 29.8316



0.2636, 0.2805, 0.8482

Previews

White Background



This preview shows how the XYZ color 29.4372, 29.4562, 17.7698 looks on a white background.

Color Contrast Check

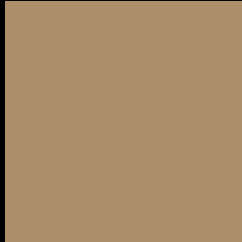
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4372, 29.4562, 17.7698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

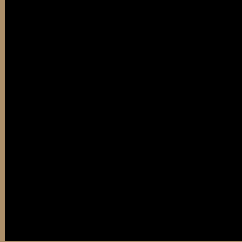
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4372, 29.4562, 17.7698

Background



This preview shows how black text looks on a background with the XYZ color 29.4372, 29.4562, 17.7698.



This preview shows how white text looks on a background with the XYZ color 29.4372, 29.4562,

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

29.4372, 29.4562, 17.7698

Protanopia

27.5948, 29.6334, 18.4528

Deuteranopia

29.9537, 29.5006, 17.7511



Tritanopia

32.1955, 29.2595, 31.9677

Trichromacy



Original Color

29.4372, 29.4562, 17.7698

Protanomaly

28.2426, 29.5118, 18.1177

Deuteranomaly

29.7301, 29.3853, 17.7407

Tritanomaly

31.1455, 29.2727, 26.1989

Monochromacy



Original Color

29.4372, 29.4562, 17.7698

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.1540, 29.2916, 25.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4372, 29.4562, 17.7698 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(172, 143, 106)` looks like.

```
.text, #text, p{  
    color:rgb(172, 143, 106)  
}
```

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(172, 143, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 143, 106) }
```

Border

The CSS property to change the border of an element to XYZ 29.4372, 29.4562, 17.7698 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(172, 143, 106) }
```


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

```
.border{ border-color:rgb(172, 143, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 143, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 143, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 143, 106);  
box-shadow:4px 4px 4px 4px rgb(172, 143,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4372, 29.4562, 17.7698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 143, 106) }
```

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

```
.background{ background-color: rgb(172,  
143, 106) }
```

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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