

# Converting Colors

XYZ(27.2838, 26.5761, 9.9491)

Have a look what the booklet for  
XYZ(27.2838, 26.5761, 9.9491)  
contains.

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# Color

**XYZ(27.4069, 26.6452,  
10.0019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF8649
RGB	175, 134, 73
RGB Percent	69%, 53%, 29%
CMY	0.3137, 0.4745, 0.7137
CMYK	0.00, 0.23, 0.58, 0.31
HSL	36°, 41%, 49%
HSV	36°, 58%, 69%
XYZ	27.4069, 26.6452, 10.0019
YIQ	139.3050, 44.0170, -10.2790

# Conversions

## Conversions Part 2

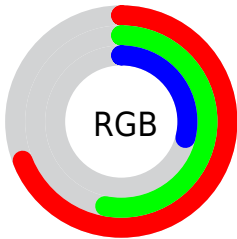
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 175, 73
Decimal	11503177
CIE <sub>Lab</sub>	58.64, 8.58, 38.46
CIE <sub>LCh</sub>	59, 39.403, 77.418
Yxy	26.6452, 0.4279, 0.4160
Android (android.graphics.Color)	4289693257 (0xFFAF8649)
YUV	139.3050, -32.6884, 31.3045
Hunter-Lab	51.6190, 4.4406, 24.6450

# Details

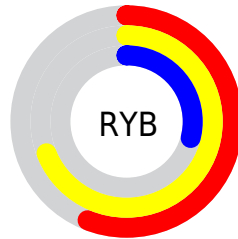
The XYZ color **27.4069, 26.6452, 10.0019** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.5026, 16.5456, 42.8811**, and the grayscale version is **24.7691, 26.0590, 28.3783**.

A 20% lighter version of the original color is **54.9497, 54.2943, 26.3226**, and **11.0317, 10.4891, 2.3629** is the 20% darker color. If you saturate the color by 10%, you get **25.9665, 24.5659, 7.0509**, and if you desaturate by 10%, it is **29.0766, 28.9217, 13.8352**.

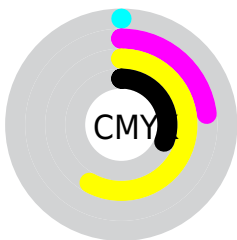
# Distribution



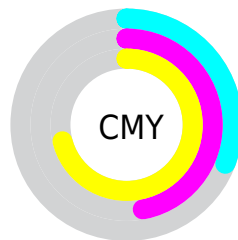
- Red (69%)
- Green (53%)
- Blue (29%)



- Red (56%)
- Yellow (69%)
- Blue (29%)



- Cyan (0%)
- Magenta (23%)
- Yellow (58%)
- Black (31%)




- Cyan (31%)
- Magenta (47%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4069, 26.6452, 10.0019 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 27.4069, 26.6452, 10.0019 by changing the saturation by 10% instead.





 27.4069, 26.6452,  
10.0019


 27.4069, 26.6452,  
10.0019


281.7537,  
285.9351, 201.1709


 18.0172, 17.3069,  
5.2946


 54.9514, 54.3140,  
26.4069


 11.0621, 10.4536,  
2.3594


 73.8370, 73.4133,  
38.9418


 6.1762, 5.7007,  
0.7642


 96.6185, 96.5351,  
54.9228

 2.9942, 2.6640,  
0.0000

 123.6614,  
124.0638, 74.7687

 1.1507, 0.9589,  
0.0000

 155.3310,  
156.3837, 98.8979

 0.0669, 0.0000,  
0.0000

191.9927,

 0.0000, 0.0000,

193.8793, 127.7290

0.0000

234.0118,  
236.9350, 161.6805

■ 27.4069, 26.6452,  
10.0019

■ 27.4069, 26.6452,  
10.0019

■ 25.9665, 24.5659,  
7.0509

■ 29.0766, 28.9217,  
13.8352

■ 24.7380, 22.6718,  
4.9062

■ 30.9872, 31.3990,  
18.6153

■ 23.7043, 20.9551,  
3.4809

■ 33.1518, 34.0853,  
24.4024

■ 22.8363, 19.4019,  
2.6275

■ 35.5820, 36.9868,  
31.2511

■ 22.6965, 19.1487,  
2.4998

■ 38.2884, 40.1098,  
39.2123

■ 41.2810, 43.4599,  
48.3333

■ 44.5693, 47.0428,  
58.6588

■ 48.1623, 50.8636,  
70.2311

■ 52.0686, 54.9274,  
83.0905

# Harmonies

## Analogous

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



32.1575, 26.6452, 13.4821



27.4069, 26.6452, 10.0019



22.6411, 26.6452, 10.2907

# Triad

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



27.4069, 26.6452, 10.0019



17.4446, 26.6452, 37.7421



32.8128, 26.6452, 51.0363

# Complementary

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



27.4069, 26.6452, 10.0019



16.5026, 16.5456, 42.8811

# 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.



28.2140, 26.6452, 62.5884



27.4069, 26.6452, 10.0019



19.5369, 26.6452, 53.3883

# Square

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



27.4069, 26.6452, 10.0019



17.2866, 26.6452, 23.5858



23.3522, 26.6452, 63.5650



35.5352, 26.6452, 35.2127



# Rectangle

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



27.4069, 26.6452, 10.0019



20.0821, 26.6452, 12.5772



23.3522, 26.6452, 63.5650



31.4102, 26.6452, 55.7396

# Sweetspot

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



27.4075, 26.6465, 10.0024



64.1842, 66.7786, 57.2922



23.1852, 15.1286, 18.0693



14.0657, 14.6078, 12.1577



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



27.4075, 26.6465, 10.0024



45.8236, 42.9707, 11.3615



32.3634, 39.3020, 12.1840



8.3885, 8.7818, 8.4663



16.3152, 13.8360, 1.8107



0.5056, 0.4883, 0.0676



# Inverse Universe

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



16.5026, 16.5456, 42.8811



24.4906, 23.2605, 75.8358



13.5570, 9.6321, 41.7019



7.8332, 8.2658, 10.1353



7.1819, 5.4976, 29.7271

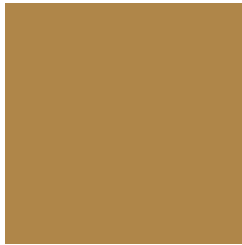


0.2543, 0.2619, 0.8451



# Previews

## White Background



This preview shows how the XYZ color 27.4069, 26.6452, 10.0019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

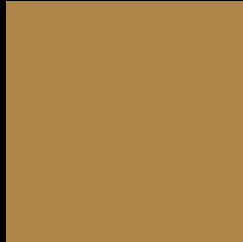
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4069, 26.6452, 10.0019 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 27.4069, 26.6452, 10.0019**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4069, 26.6452, 10.0019.



This preview shows how white text looks on a background with the XYZ color 27.4069, 26.6452,



# 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

27.4069, 26.6452, 10.0019

### Protanopia

24.5397, 26.6395, 10.6860

### Deuteranopia

27.3221, 26.8077, 10.0377



## Tritanopia

30.8557, 26.6596, 26.8121

# Trichromacy



## Original Color

27.4069, 26.6452, 10.0019

## Protanomaly

25.4627, 26.4715, 10.4241

## Deuteranomaly

27.3221, 26.8077, 10.0377

## Tritanomaly

29.3234, 26.6225, 19.2159

# Monochromacy



## Original Color

27.4069, 26.6452, 10.0019

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

24.9891, 25.8045, 19.8834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4069, 26.6452, 10.0019 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(175, 134, 73)` looks like.

```
.text, #text, p{  
    color:rgb(175, 134, 73)  
}
```

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(175, 134, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 134, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4069, 26.6452, 10.0019 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(175, 134, 73) }
```



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

```
.border{ border-color:rgb(175, 134, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 134, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 134, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 134, 73);  
box-shadow:4px 4px 4px 4px rgb(175, 134,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4069, 26.6452, 10.0019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 134, 73) }
```

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

```
.background{ background-color: rgb(175,  
134, 73) }
```

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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