

# Converting Colors

XYZ(26.8109, 27.9176, 4.3229)

Have a look what the booklet for  
XYZ(26.8109, 27.9176, 4.3229)  
contains.

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# Color

**XYZ(26.8248, 27.9605,  
4.3309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AD8D0C
RGB	173, 141, 12
RGB Percent	68%, 55%, 5%
CMY	0.3216, 0.4470, 0.9529
CMYK	0.00, 0.18, 0.93, 0.32
HSL	48°, 87%, 36%
HSV	48°, 93%, 68%
XYZ	26.8248, 27.9605, 4.3309
YIQ	135.8620, 60.4810, -33.3350

# Conversions

## Conversions Part 2

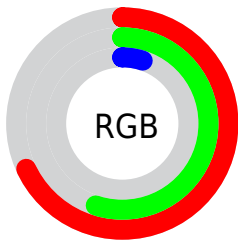
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 173, 12
Decimal	11373836
CIE Lab	59.85, 1.02, 62.51
CIE LCh	60, 62.518, 89.066
Yxy	27.9605, 0.4538, 0.4730
Android (android.graphics.Color)	4289563916 (0xFFAD8D0C)
YUV	135.8620, -61.0640, 32.5700
Hunter-Lab	52.8777, -1.9831, 32.1583

# Details

The XYZ color **26.8248, 27.9605, 4.3309** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.5953, 4.8970, 40.0270**, and the grayscale version is **23.5566, 24.7833, 26.9891**.

A 20% lighter version of the original color is **53.8405, 56.2474, 14.6757**, and **10.9435, 11.1952, 1.5841** is the 20% darker color. If you saturate the color by 10%, you get **26.4108, 27.2390, 3.8656**, and if you desaturate by 10%, it is **27.4995, 29.0553, 5.3414**.

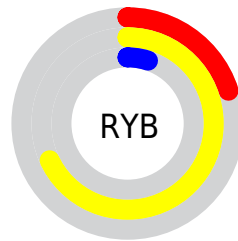
# Distribution



Red (68%)

Green (55%)

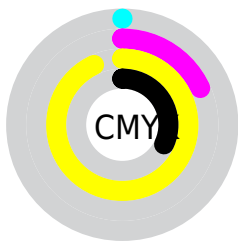
Blue (5%)



Red (20%)

Yellow (68%)

Blue (5%)

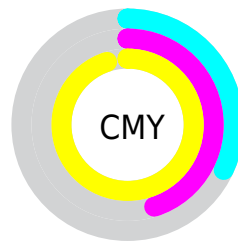


Cyan (0%)

Magenta (18%)

Yellow (93%)

Black (32%)



Cyan (32%)

Magenta (45%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8248, 27.9605, 4.3309 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 26.8248, 27.9605, 4.3309 by changing the saturation by 10% instead.





 26.8248, 27.9605,  
4.3309

 26.8248, 27.9605,  
4.3309


278.9909,  
292.2781, 151.8352


 17.5776, 18.2959,  
1.8086


 54.0245, 56.4214,  
14.7660

 10.7450, 11.1626,  
0.4336


 72.7077, 75.9864,  
23.5158

 5.9617, 6.1763,  
0.0000


 95.2669, 99.6204,  
35.1786

 2.8622, 2.9526,  
0.0000

 122.0675,  
127.7077, 50.1729

 1.0813, 1.1070,  
0.0000

 153.4748,  
160.6327, 68.9171

 0.0094, 0.0000,  
0.0000

 189.8543,

 0.0000, 0.0000,

198.7799, 91.8299

0.0000

231.5712,  
242.5336, 119.3297

26.8248, 27.9605,  
4.3309

26.8248, 27.9605,  
4.3309

26.4108, 27.2390,  
3.8656

27.4995, 29.0553,  
5.3414

28.3099, 30.2287,  
6.9908

29.2743, 31.4894,  
9.3720

30.4075, 32.8433,  
12.5625

31.7224, 34.2961,  
16.6295

■ 33.2306, 35.8524,  
21.6335

■ 34.9427, 37.5167,  
27.6295

■ 36.8684, 39.2932,  
34.6682

■ 39.0168, 41.1857,  
42.7968

# Harmonies

## Analogous

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



35.2078, 27.9605, 6.2512



26.8248, 27.9605, 4.3309



19.8360, 27.9605, 6.0068

# Triad

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



26.8248, 27.9605, 4.3309



15.3536, 27.9605, 56.9630



41.9143, 27.9605, 58.8546

# Complementary

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



26.8248, 27.9605, 4.3309



8.5953, 4.8970, 40.0270

# 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.



34.6913, 27.9605, 86.7722



26.8248, 27.9605, 4.3309



19.4840, 27.9605, 85.3499

# Square

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



26.8248, 27.9605, 4.3309



14.0612, 27.9605, 29.7383



26.3280, 27.9605, 98.2894



44.9186, 27.9605, 31.1612



# Rectangle

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



26.8248, 27.9605, 4.3309



16.6421, 27.9605, 9.8625



26.3280, 27.9605, 98.2894



39.8366, 27.9605, 68.9448

# Sweetspot

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



26.8254, 27.9619, 4.3314



60.8696, 65.5480, 43.4253



17.8236, 9.3307, 3.2650



12.9582, 13.9786, 8.5029



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.



26.8254, 27.9619, 4.3314



47.1462, 48.4745, 6.8716



23.4239, 34.2511, 5.7247



8.5254, 9.0557, 8.5120



19.4435, 20.0924, 2.8534



0.5749, 0.6269, 0.0907



# Inverse Universe

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



8.5953, 4.8970, 40.0270



14.4319, 7.2497, 71.4444



9.5564, 4.2505, 39.8516



7.7030, 8.0054, 10.0919



6.0031, 3.1400, 29.3342

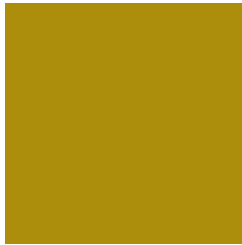


0.2037, 0.1607, 0.8283



# Previews

## White Background



This preview shows how the XYZ color 26.8248, 27.9605, 4.3309 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 26.8248, 27.9605, 4.3309 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 26.8248, 27.9605, 4.3309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.8248, 27.9605, 4.3309.



This preview shows how white text looks on a background with the XYZ color 26.8248, 27.9605,



# 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

26.8248, 27.9605, 4.3309

### Protanopia

25.3089, 28.0690, 4.4994

### Deuteranopia

28.3382, 27.8769, 4.4175



## Tritanopia

31.7464, 27.8590, 28.9034

# Trichromacy



## Original Color

26.8248, 27.9605, 4.3309

## Protanomaly

25.9823, 28.1911, 4.4528

## Deuteranomaly

27.7651, 27.7952, 4.3536

## Tritanomaly

28.8158, 27.4832, 14.3757

# Monochromacy



## Original Color

26.8248, 27.9605, 4.3309

## Achromatopsia

23.4014, 24.6201, 26.8113

## Achromatomaly

23.3712, 25.3218, 13.5533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.8248, 27.9605, 4.3309 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(173, 141, 12)` looks like.

```
.text, #text, p{  
    color:rgb(173, 141, 12)  
}
```

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(173, 141, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 141, 12) }
```

## Border

The CSS property to change the border of an element to XYZ 26.8248, 27.9605, 4.3309 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(173, 141, 12) }
```



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

```
.border{ border-color:rgb(173, 141, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 141, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 141, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 141, 12);  
box-shadow:4px 4px 4px 4px rgb(173, 141,  
12) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.8248, 27.9605, 4.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 141, 12) }
```

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

```
.background{ background-color: rgb(173,  
141, 12) }
```

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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