

# Converting Colors

XYZ(26.7849, 26.2196, 14.7155)

Have a look what the booklet for  
XYZ(26.7849, 26.2196, 14.7155)  
contains.

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# Color

**XYZ(26.7849, 26.2196,  
14.7155)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A88660
RGB	168, 134, 96
RGB Percent	66%, 53%, 38%
CMY	0.3412, 0.4745, 0.6235
CMYK	0.00, 0.20, 0.43, 0.34
HSL	32°, 29%, 52%
HSV	32°, 43%, 66%
XYZ	26.7849, 26.2196, 14.7155
YIQ	139.8340, 32.4620, -4.6100

# Conversions

## Conversions Part 2

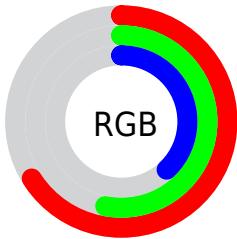
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 168, 96
Decimal	11044448
CIELab	58.24, 7.79, 25.37
CIELCh	58, 26.540, 72.937
Yxy	26.2196, 0.3955, 0.3872
Android (android.graphics.Color)	4289234528 (0xFFA88660)
YUV	139.8340, -21.6102, 24.7016
Hunter-Lab	51.2051, 3.7628, 18.8046

# Details

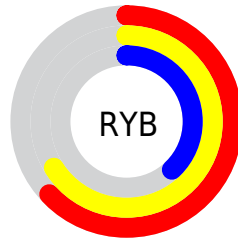
The XYZ color **26.7849, 26.2196, 14.7155** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.8741, 21.2784, 40.1054**, and the grayscale version is **24.9358, 26.2344, 28.5693**.

A 20% lighter version of the original color is **54.0881, 53.6548, 35.1094**, and **10.6641, 10.1398, 4.3008** is the 20% darker color. If you saturate the color by 10%, you get **25.0372, 23.8325, 10.7161**, and if you desaturate by 10%, it is **28.7815, 28.8399, 19.6139**.

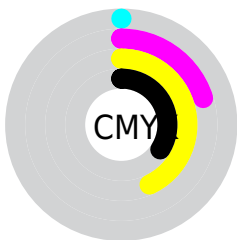
# Distribution



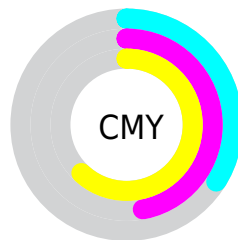
- Red (66%)
- Green (53%)
- Blue (38%)



- Red (63%)
- Yellow (66%)
- Blue (38%)



- Cyan (0%)
- Magenta (20%)
- Yellow (43%)
- Black (34%)




- Cyan (34%)
- Magenta (47%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7849, 26.2196, 14.7155 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 26.7849, 26.2196, 14.7155 by changing the saturation by 10% instead.





 26.7849, 26.2196,  
14.7155


 26.7849, 26.2196,  
14.7155


278.8007,  
283.8584, 233.2189


 17.5475, 16.9880,  
8.4756


 53.9608, 53.6290,  
35.0885


 10.7233, 10.2259,  
4.3086


 72.6301, 72.5756,  
50.0587

 5.9470, 5.5490,  
1.7961


 95.1740, 95.5293,  
68.7760

 2.8532, 2.5728,  
0.4254

 121.9579,  
122.8745, 91.6590

 1.0766, 0.9130,  
0.0000

153.3471,  
154.9956, 119.1263

 0.0054, 0.0000,  
0.0000

189.7071,

 0.0000, 0.0000,

192.2771, 151.5963

0.0000

231.4032,  
235.1032, 189.4876

■ 26.7849, 26.2196,  
14.7155

■ 26.7849, 26.2196,  
14.7155

■ 25.0372, 23.8325,  
10.7161

■ 28.7815, 28.8399,  
19.6139

■ 23.5239, 21.6669,  
7.5577

■ 31.0365, 31.6969,  
25.4614

■ 22.2321, 19.7156,  
5.1775

■ 33.5611, 34.7988,  
32.3061

■ 21.1462, 17.9694,  
3.5035

■ 36.3653, 38.1523,  
40.1924

■ 20.2480, 16.4178,  
2.4496

■ 39.4585, 41.7636,  
49.1622

■ 19.6939, 15.4158,  
1.9376

■ 42.8497, 45.6388,  
59.2548

■ 46.5473, 49.7838,  
70.5076

■ 50.5595, 54.2040,  
82.9564

■ 54.8943, 58.9051,  
96.6352

# Harmonies

## Analogous

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



29.7414, 26.2196, 18.0806



26.7849, 26.2196, 14.7155



23.5585, 26.2196, 14.5038

# Triad

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



26.7849, 26.2196, 14.7155



19.3533, 26.2196, 32.7115



29.3876, 26.2196, 43.6219

# Complementary

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



26.7849, 26.2196, 14.7155



19.8741, 21.2784, 40.1054

# 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.



26.3350, 26.2196, 49.5878



26.7849, 26.2196, 14.7155



20.6517, 26.2196, 42.4335

# Square

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



26.7849, 26.2196, 14.7155



19.4511, 26.2196, 23.6488



23.1455, 26.2196, 49.1112



31.3307, 26.2196, 34.0825



# Rectangle

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



26.7849, 26.2196, 14.7155



21.6995, 26.2196, 16.0884



23.1455, 26.2196, 49.1112



28.4464, 26.2196, 46.1954

# Sweetspot

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



26.7856, 26.2208, 14.7160



60.7173, 62.9242, 58.1151



24.4147, 18.3241, 23.6521



13.0127, 13.4458, 12.0590



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.



26.7856, 26.2208, 14.7160



45.7074, 43.6293, 20.0486



32.0081, 37.0435, 16.5298



7.8465, 8.1731, 7.9533



14.9238, 11.7448, 1.4804



0.4137, 0.3870, 0.0529



# Inverse Universe

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



19.8741, 21.2784, 40.1054



31.5611, 33.5183, 72.0313



16.2021, 13.7456, 38.8450



7.4129, 7.8628, 9.5453



7.5171, 6.4945, 28.8329

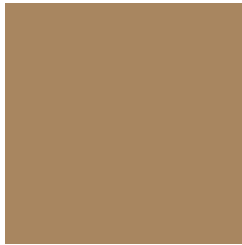


0.2344, 0.2610, 0.7187



# Previews

## White Background



This preview shows how the XYZ color 26.7849, 26.2196, 14.7155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

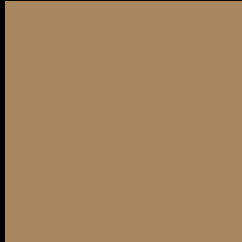
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.7849, 26.2196, 14.7155 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 26.7849, 26.2196, 14.7155**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7849, 26.2196, 14.7155.



This preview shows how white text looks on a background with the XYZ color 26.7849, 26.2196,



# 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

26.7849, 26.2196, 14.7155

### Protanopia

24.3927, 26.2363, 15.5829

### Deuteranopia

26.7849, 26.2196, 14.7155



## Tritanopia

29.4510, 26.3061, 27.5701

# Trichromacy



## Original Color

26.7849, 26.2196, 14.7155

## Protanomaly

25.1977, 26.2269, 15.2895

## Deuteranomaly

26.7849, 26.2196, 14.7155

## Tritanomaly

28.4860, 26.3206, 22.3179

# Monochromacy



## Original Color

26.7849, 26.2196, 14.7155

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

25.3042, 26.1162, 22.7760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7849, 26.2196, 14.7155 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, 134, 96)` looks like.

```
.text, #text, p{  
    color:rgb(168, 134, 96)  
}
```

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, 134, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 134, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7849, 26.2196, 14.7155 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, 134, 96) }
```



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

```
.border{ border-color:rgb(168, 134, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 134, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 134, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 134, 96);  
box-shadow:4px 4px 4px 4px rgb(168, 134,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.7849, 26.2196, 14.7155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 134, 96) }
```

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

```
.background{ background-color: rgb(168,  
134, 96) }
```

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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