

# Converting Colors

XYZ(14.0281, 26.6693, 7.0638)



Have a look what the booklet for  
XYZ(14.0281, 26.6693, 7.0638)  
contains.

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# Color

**XYZ(13.9870, 26.5938,  
7.0853)**



# Conversions

Conversions Part 1	
Format	Color
Hex	18A32F
RGB	24, 163, 47
RGB Percent	9%, 64%, 18%
CMY	0.9059, 0.3608, 0.8157
CMYK	0.85, 0.00, 0.71, 0.36
HSL	130°, 74%, 37%
HSV	130°, 85%, 64%
XYZ	13.9870, 26.5938, 7.0853
YIQ	108.2150, -45.6080, -65.5440



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">24, 143, 163</a>
Decimal	<a href="#">1614639</a>
CIELab	<a href="#">58.60, -57.56, 48.17</a>
CIELCh	<a href="#">59, 75.057, 140.075</a>
Yxy	<a href="#">26.5938, 0.2934, 0.5579</a>
Android (android.graphics.Color)	<a href="#">4279804719</a> (0xFF18A32F)
YUV	<a href="#">108.2150, -30.1790, -73.8566</a>
Hunter-Lab	<a href="#">51.5692, -41.8319, 27.9523</a>



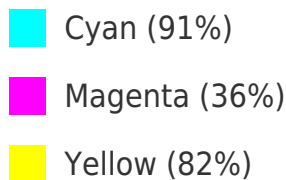
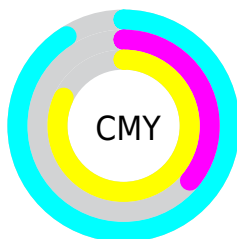
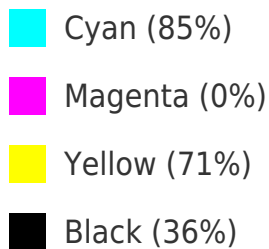
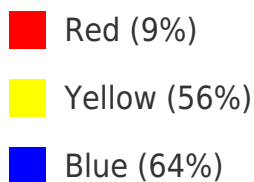
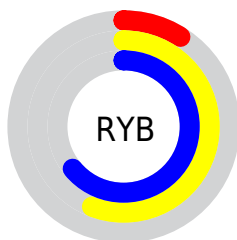
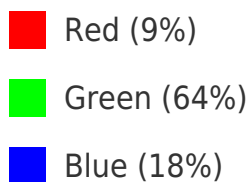
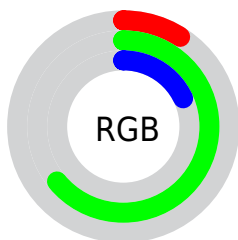
# Details

The XYZ color **13.9870, 26.5938, 7.0853** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.1652, 10.3337, 25.7431**, and the grayscale version is **14.4064, 15.1566, 16.5056**.

A 20% lighter version of the original color is **32.6207, 54.1606, 20.5391**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **13.4743, 26.3572, 5.8458**, and if you desaturate by 10%, it is **14.8164, 26.9853, 8.7874**.



# Distribution







# Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9870, 26.5938, 7.0853 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 13.9870, 26.5938, 7.0853 by changing the saturation by 10% instead.





 13.9870, 26.5938,  
7.0853


 13.9870, 26.5938,  
7.0853


210.6622,  
285.6850, 178.0284


 8.1933, 17.2684,  
3.4362


 32.6524, 54.2314,  
20.6604


 4.2717, 10.4260,  
1.3215


 46.2548, 73.3123,  
31.4235


 1.8570, 5.6823,  
0.0793


 63.1908, 96.4139,  
45.3951

 0.5516, 2.6529,  
0.0000

 83.8257, 123.9204,  
62.9936

 0.0000, 0.9533,  
0.0000

 108.5250,  
156.2165, 84.6377

 0.0000, 0.0000,  
0.0000

 137.6539,



193.6863, 110.7458

171.5779,  
236.7143, 141.7365

■ 13.9870, 26.5938,  
7.0853

■ 13.9870, 26.5938,  
7.0853

■ 13.4743, 26.3572,  
5.8458

■ 14.8164, 26.9853,  
8.7874

■ 13.2952, 26.2744,  
5.4061


■ 16.0056, 27.5509,  
10.9900


■ 17.5918, 28.3096,  
13.7291

■ 19.6065, 29.2771,  
17.0367


■ 22.0784, 30.4675,  
20.9425



 25.0334, 31.8936,  
25.4740

 28.4956, 33.5674,  
30.6570

 32.4875, 35.4997,  
36.5159

 37.0301, 37.7010,  
43.0737



# Harmonies

## Analogous

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



19.6745, 26.5938, 2.6718



13.9870, 26.5938, 7.0853



11.5424, 26.5938, 21.0679



# Triad

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



13.9870, 26.5938, 7.0853



22.3468, 26.5938, 113.0975



45.8137, 26.5938, 14.8081



# Complementary

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



13.9870, 26.5938, 7.0853



20.1652, 10.3337, 25.7431



# 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.



47.0293, 26.5938, 38.6021



13.9870, 26.5938, 7.0853



31.8523, 26.5938, 107.4375



# Square

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



13.9870, 26.5938, 7.0853



15.5333, 26.5938, 87.8274



41.4264, 26.5938, 75.1976



38.4237, 26.5938, 4.8826



# Rectangle

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



13.9870, 26.5938, 7.0853



11.5472, 26.5938, 38.7607



41.4264, 26.5938, 75.1976



47.0171, 26.5938, 20.9623



# Sweetspot

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



13.9876, 26.5949, 7.0859



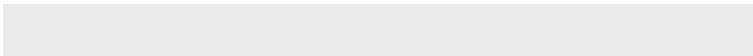
44.1448, 56.7854, 44.5794



24.4442, 32.0257, 5.7575



9.5100, 12.5584, 9.3952



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.



13.9876, 26.5949, 7.0859



23.7598, 47.0337, 9.4181



16.5318, 27.6126, 20.4835



7.0312, 7.9133, 7.7759



10.3444, 20.4241, 4.2641



0.2301, 0.4342, 0.1565







# Inverse Universe

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



20.1652, 10.3337, 25.7431



34.9491, 17.1045, 42.8592



16.6226, 8.9167, 7.0881



7.3138, 7.1820, 8.6387



15.2083, 7.4394, 18.8193



0.3321, 0.1614, 0.4617







# Previews

## White Background



This preview shows how the XYZ color 13.9870, 26.5938, 7.0853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

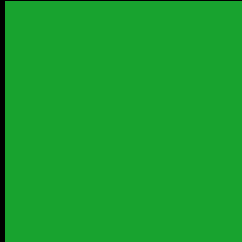
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 13.9870, 26.5938, 7.0853 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

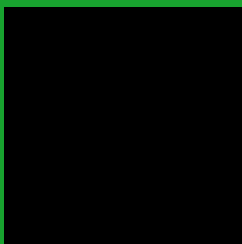
Any Text WCAG AAA × Fail

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



**XYZ 13.9870, 26.5938, 7.0853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 13.9870, 26.5938, 7.0853.



This preview shows how white text looks on a background with the XYZ color 13.9870, 26.5938,







# 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

13.9870, 26.5938, 7.0853

### Protanopia

23.6829, 26.0844, 5.8844

### Deuteranopia

26.6068, 26.0792, 7.6344





## **Tritanopia**

20.4549, 26.4389, 39.1471



# Trichromacy



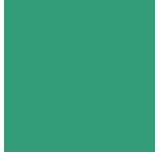
**Original Color**  
13.9870, 26.5938, 7.0853



**Protanomaly**  
17.3326, 24.6054, 6.1213



**Deuteranomaly**  
18.2469, 24.1348, 7.1868



**Tritanomaly**  
16.8079, 25.9143, 22.2053

# Monochromacy



**Original Color**  
13.9870, 26.5938, 7.0853



**Achromatopsia**  
14.2537, 14.9960, 16.3306



**Achromatomaly**  
12.4595, 17.6880, 11.5615



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 13.9870, 26.5938, 7.0853 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(24, 163, 47) looks like.

```
.text, #text, p{  
    color:rgb(24, 163, 47)  
}
```



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(24, 163, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 163, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 13.9870, 26.5938, 7.0853 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(24, 163, 47) }
```



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

```
.border{ border-color:rgb(24, 163, 47) }
```

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

Here you see how a box with a 4 pixel rgb(24, 163, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 163, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 163, 47);  
box-shadow:4px 4px 4px 4px rgb(24, 163,  
47) }
```



# Background

The CSS property to change the background color of an element to XYZ 13.9870, 26.5938, 7.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 163, 47) }
```

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

```
.background{ background-color: rgb(24, 163,  
47) }
```

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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