

# Converting Colors

XYZ(26.1740, 28.7924, 12.7723)

Have a look what the booklet for  
XYZ(26.1740, 28.7924, 12.7723)  
contains.

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# Color

**XYZ(26.1740, 28.7924,  
12.7723)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E9355
RGB	158, 147, 85
RGB Percent	62%, 58%, 33%
CMY	0.3804, 0.4235, 0.6667
CMYK	0.00, 0.07, 0.46, 0.38
HSL	51°, 30%, 48%
HSV	51°, 46%, 62%
XYZ	26.1740, 28.7924, 12.7723
YIQ	143.2210, 26.4580, -16.9500

# Conversions

## Conversions Part 2

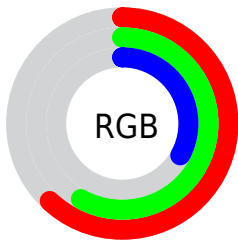
<b>Format</b>	<b>Color</b>
<b>RYB</b>	98, 158, 85
Decimal	10392405
CIELab	60.60, -4.87, 34.16
CIELCh	61, 34.507, 98.107
Yxy	28.7924, 0.3864, 0.4251
Android (android.graphics.Color)	4288582485 (0xFF9E9355)
YUV	143.2210, -28.7030, 12.9612
Hunter-Lab	53.6586, -6.8323, 23.4482

# Details

The XYZ color **26.1740, 28.7924, 12.7723** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1007, 12.7654, 34.0686**, and the grayscale version is **26.3011, 27.6708, 30.1335**.

A 20% lighter version of the original color is **53.0621, 57.8470, 31.6615**, and **10.4343, 11.6862, 3.4560** is the 20% darker color. If you saturate the color by 10%, you get **25.2491, 27.8374, 9.7055**, and if you desaturate by 10%, it is **27.2482, 29.8215, 16.5811**.

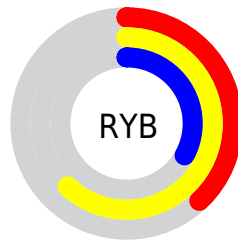
# Distribution



Red (62%)

Green (58%)

Blue (33%)



Red (38%)

Yellow (62%)

Blue (33%)

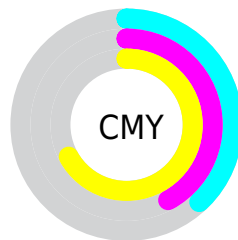


Cyan (0%)

Magenta (7%)

Yellow (46%)

Black (38%)



Cyan (38%)

Magenta (42%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1740, 28.7924, 12.7723 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 26.1740, 28.7924, 12.7723 by changing the saturation by 10% instead.





 26.1740, 28.7924,  
12.7723


 26.1740, 28.7924,  
12.7723


275.8762,  
296.2342, 220.6095


 17.0872, 18.9238,  
7.1431


 52.9848, 57.7471,  
31.5793

 10.3924, 11.6153,  
3.4719


 71.4396, 77.6020,  
45.5941


 5.7241, 6.4823,  
1.3404


 93.7477, 101.5545,  
63.2412

 2.7171, 3.1405,  
0.0945

 120.2745,  
129.9889, 84.9390

 1.0060, 1.2055,  
0.0000

 151.3855,  
163.2897, 111.1063

 0.0000, 0.0662,  
0.0000

187.4458,

 0.0000, 0.0000,

201.8413, 142.1614

0.0000

228.8210,  
246.0279, 178.5230

■ 26.1740, 28.7924,  
12.7723

■ 26.1740, 28.7924,  
12.7723

■ 25.2491, 27.8374,  
9.7055

■ 27.2482, 29.8215,  
16.5811

■ 24.4618, 26.9486,  
7.3291

■ 28.4781, 30.9241,  
21.1751

■ 23.8023, 26.1230,  
5.5879

■ 29.8724, 32.1049,  
26.5967

■ 23.2581, 25.3555,  
4.4173

■ 31.4385, 33.3669,  
32.8843

■ 22.8120, 24.6392,  
3.7259

■ 33.1833, 34.7129,  
40.0741

■ 22.6533, 24.3746,  
3.5108

■ 35.1132, 36.1455,  
48.2004

■ 37.2346, 37.6674,  
57.2954

■ 39.5532, 39.2810,  
67.3898

■ 42.0747, 40.9885,  
78.5133

# Harmonies

## Analogous

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



30.6920, 28.7924, 13.6298



26.1740, 28.7924, 12.7723



22.4052, 28.7924, 15.7169

# Triad

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



26.1740, 28.7924, 12.7723



21.1547, 28.7924, 49.0921



36.1250, 28.7924, 41.4345

# Complementary

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



26.1740, 28.7924, 12.7723



14.1007, 12.7654, 34.0686

# 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.



33.0105, 28.7924, 54.9338



26.1740, 28.7924, 12.7723



24.2900, 28.7924, 60.1263

# Square

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



26.1740, 28.7924, 12.7723



19.7203, 28.7924, 34.9448



28.5943, 28.7924, 62.5138



36.7702, 28.7924, 28.0106



# Rectangle

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



26.1740, 28.7924, 12.7723



20.7085, 28.7924, 20.0767



28.5943, 28.7924, 62.5138



35.3170, 28.7924, 46.2078

# Sweetspot

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



26.1747, 28.7937, 12.7729



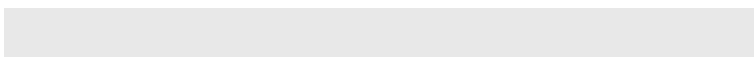
54.7717, 58.7325, 50.3763



19.5147, 14.6326, 13.1463



12.2230, 13.1383, 10.8607



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



26.1747, 28.7937, 12.7729



45.8719, 50.5738, 17.6877



23.6452, 30.1507, 13.1681



7.0850, 7.5500, 7.0695



18.1657, 19.5670, 2.8194



0.3458, 0.3918, 0.0574



# Inverse Universe

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



14.1007, 12.7654, 34.0686



21.2988, 17.9722, 61.0899



15.7681, 12.2384, 33.8790



6.3614, 6.5886, 8.3431



5.2204, 2.5324, 26.1209



0.1134, 0.0854, 0.4737



# Previews

## White Background



This preview shows how the XYZ color 26.1740, 28.7924, 12.7723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

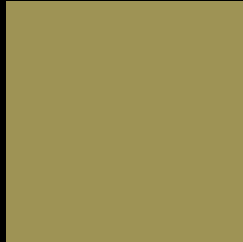
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.1740, 28.7924, 12.7723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

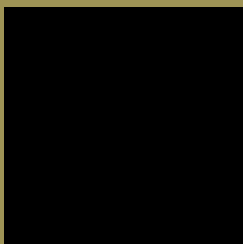
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

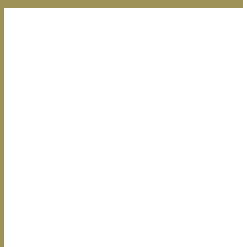
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.1740, 28.7924, 12.7723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1740, 28.7924, 12.7723.



This preview shows how white text looks on a background with the XYZ color 26.1740, 28.7924,



# 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

26.1740, 28.7924, 12.7723

### Protanopia

26.4158, 28.6872, 12.7393

### Deuteranopia

29.2298, 28.7914, 13.0335



## Tritanopia

30.2547, 28.6666, 32.7928

# Trichromacy



## Original Color

26.1740, 28.7924, 12.7723

## Protanomaly

26.2167, 28.5846, 12.7299

## Deuteranomaly

28.0797, 28.8629, 12.8952

## Tritanomaly

28.3392, 28.5337, 23.7526

# Monochromacy



## Original Color

26.1740, 28.7924, 12.7723

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

25.6989, 27.6476, 22.3944

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1740, 28.7924, 12.7723 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(158, 147, 85)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 85)  
}
```

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(158, 147, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1740, 28.7924, 12.7723 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(158, 147, 85) }
```



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

```
.border{ border-color:rgb(158, 147, 85) }
```

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

Here you see how a box with a 4 pixel rgb(158, 147, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 147, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 147, 85);  
box-shadow:4px 4px 4px 4px rgb(158, 147,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1740, 28.7924, 12.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 85) }
```

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

```
.background{ background-color: rgb(158,  
147, 85) }
```

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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