

# Converting Colors

XYZ(26.4142, 29.3495, 21.0445)

Have a look what the booklet for  
XYZ(26.4142, 29.3495, 21.0445)  
contains.

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# Color

**XYZ(26.5117, 29.4866,  
21.1238)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	959675
RGB	149, 150, 117
RGB Percent	58%, 59%, 46%
CMY	0.4157, 0.4117, 0.5412
CMYK	0.01, 0.00, 0.22, 0.41
HSL	62°, 14%, 52%
HSV	62°, 22%, 59%
XYZ	26.5117, 29.4866, 21.1238
YIQ	145.9390, 9.9970, -10.4750

# Conversions

## Conversions Part 2

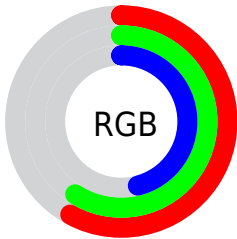
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 150, 118
Decimal	9803381
CIE Lab	61.21, -6.11, 17.34
CIE LCh	61, 18.382, 109.400
Yxy	29.4866, 0.3438, 0.3823
Android (android.graphics.Color)	4287993461 (0xFF959675)
YUV	145.9390, -14.2669, 2.6845
Hunter-Lab	54.3016, -7.8785, 14.9467

# Details

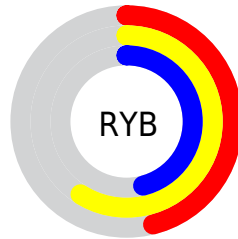
The XYZ color **26.5117, 29.4866, 21.1238** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.3386, 18.7769, 31.4608**, and the grayscale version is **27.3510, 28.7754, 31.3364**.

A 20% lighter version of the original color is **53.3829, 58.7468, 46.0618**, and **10.5730, 11.9500, 7.3796** is the 20% darker color. If you saturate the color by 10%, you get **25.6168, 29.1201, 16.8412**, and if you desaturate by 10%, it is **27.5498, 29.9125, 26.1521**.

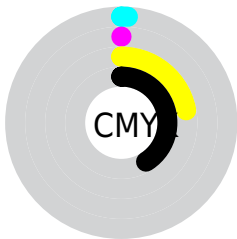
# Distribution



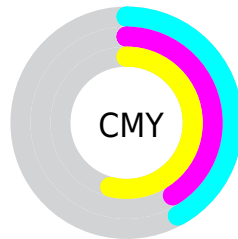
- Red (58%)
- Green (59%)
- Blue (46%)



- Red (46%)
- Yellow (59%)
- Blue (46%)



- Cyan (1%)
- Magenta (0%)
- Yellow (22%)
- Black (41%)



- Cyan (42%)
- Magenta (41%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.5117, 29.4866, 21.1238 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 26.5117, 29.4866, 21.1238 by changing the saturation by 10% instead.



■ 26.5117, 29.4866,  
21.1238

■ 26.5117, 29.4866,  
21.1238

277.4959,  
299.5040, 270.7383

■ 17.3415, 19.4492,  
13.0224

■ 53.5247, 58.8493,  
46.1769

■ 10.5751, 11.9953,  
7.3131

■ 72.0983, 78.9434,  
63.9658

■ 5.8471, 6.7405,  
3.5772

■ 94.5371, 103.1586,  
85.8208

■ 2.7921, 3.3003,  
1.3964

121.2063,  
131.8792, 112.1606

■ 1.0448, 1.2905,  
0.1389

152.4715,  
165.4897, 143.4037

■ 0.0000, 0.1338,  
0.0000

188.6979,

■ 0.0000, 0.0000,

204.3744, 179.9687

0.0000

230.2509,  
248.9177, 222.2740

■ 26.5117, 29.4866,  
21.1238

■ 26.5117, 29.4866,  
21.1238

■ 25.6168, 29.1201,  
16.8412

■ 27.5498, 29.9125,  
26.1521

■ 24.8561, 28.8062,  
13.2671

■ 28.7352, 30.3963,  
31.9572

■ 24.2231, 28.5435,  
10.3637

■ 30.0744, 30.9417,  
38.5708

■ 23.7099, 28.3287,  
8.0892

■ 31.5730, 31.5509,  
46.0223

■ 23.3075, 28.1583,  
6.3971

■ 33.2363, 32.2260,  
54.3396

■ 23.0060, 28.0283,  
5.2343

■ 35.0695, 32.9690,  
63.5491

■ 22.7935, 27.9340,  
4.5382

■ 37.0772, 33.7820,  
73.6765

■ 22.6625, 27.8741,  
4.1858

■ 39.2642, 34.6667,  
84.7460

■ 41.6349, 35.6249,  
96.7813

# Harmonies

## Analogous

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



28.8891, 29.4866, 20.7268



26.5117, 29.4866, 21.1238



24.6458, 29.4866, 24.2049

# Triad

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



26.5117, 29.4866, 21.1238



25.1112, 29.4866, 43.3001



32.8433, 29.4866, 34.6152

# Complementary

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



26.5117, 29.4866, 21.1238



19.3386, 18.7769, 31.4608

# 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.



31.7022, 29.4866, 41.5625



26.5117, 29.4866, 21.1238



27.1805, 29.4866, 47.0339

# Square

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



26.5117, 29.4866, 21.1238



23.8700, 29.4866, 36.7294



29.5972, 29.4866, 46.3559



32.6387, 29.4866, 27.8877



# Rectangle

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



26.5117, 29.4866, 21.1238



23.8999, 29.4866, 27.6499



29.5972, 29.4866, 46.3559



32.6019, 29.4866, 37.0166

# Sweetspot

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



26.5125, 29.4879, 21.1244



49.6007, 53.1879, 50.9572



22.2151, 20.6202, 19.6393



10.9689, 11.7777, 11.1790



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



26.5125, 29.4879, 21.1244



46.0428, 51.7318, 33.7091



23.7833, 28.0810, 20.9967



6.2482, 6.7358, 6.2113



18.7998, 23.1195, 3.4717



0.2345, 0.2852, 0.0427



# Inverse Universe

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



19.3386, 18.7769, 31.4608



31.2667, 29.6695, 55.0001



21.7067, 19.9977, 31.5716



5.5148, 5.6409, 7.2679



4.6181, 1.8533, 24.0454



0.0598, 0.0244, 0.2945



# Previews

## White Background



This preview shows how the XYZ color 26.5117, 29.4866, 21.1238 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 26.5117, 29.4866, 21.1238 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

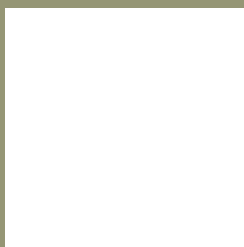
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.5117, 29.4866, 21.1238**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.5117, 29.4866, 21.1238.



This preview shows how white text looks on a background with the XYZ color 26.5117, 29.4866,



# 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

26.5117, 29.4866, 21.1238

### Protanopia

27.4907, 29.2965, 20.7289

### Deuteranopia

30.0160, 29.4486, 21.5549



## Tritanopia

29.4526, 29.5211, 35.5983

# Trichromacy



## Original Color

26.5117, 29.4866, 21.1238

## Protanomaly

27.0687, 29.3108, 20.7539

## Deuteranomaly

28.7053, 29.4513, 21.3113

## Tritanomaly

28.2651, 29.4958, 29.7947

# Monochromacy



## Original Color

26.5117, 29.4866, 21.1238

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

26.8395, 28.8198, 27.0698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.5117, 29.4866, 21.1238 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(149, 150, 117)` looks like.

```
.text, #text, p{  
    color:rgb(149, 150, 117)  
}
```

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(149, 150, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 150, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 26.5117, 29.4866, 21.1238 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(149, 150, 117) }
```



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

```
.border{ border-color:rgb(149, 150, 117) }
```

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

Here you see how a box with a 4 pixel rgb(149, 150, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 150, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 150, 117);  
box-shadow:4px 4px 4px 4px rgb(149, 150,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.5117, 29.4866, 21.1238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 150, 117) }
```

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

```
.background{ background-color: rgb(149,  
150, 117) }
```

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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