

# Converting Colors

XYZ(28.5626, 24.7621, 50.4029)

Have a look what the booklet for  
XYZ(28.5626, 24.7621, 50.4029)  
contains.

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# Color

**XYZ(28.4631, 24.7126,  
50.2836)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	937EBB
RGB	147, 126, 187
RGB Percent	58%, 49%, 73%
CMY	0.4235, 0.5059, 0.2667
CMYK	0.21, 0.33, 0.00, 0.27
HSL	261°, 31%, 61%
HSV	261°, 33%, 73%
XYZ	28.4631, 24.7126, 50.2836
YIQ	139.2330, -7.0650, 23.4230

# Conversions

## Conversions Part 2

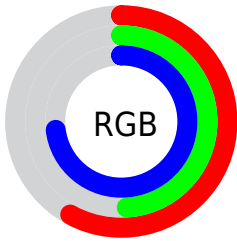
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 126, 187
Decimal	9666235
CIE Lab	56.79, 20.75, -29.08
CIE LCh	57, 35.726, 305.504
Yxy	24.7126, 0.2751, 0.2389
Android (android.graphics.Color)	4287856315 (0xFF937EBB)
YUV	139.2330, 23.5491, 6.8117
Hunter-Lab	49.7118, 15.2068, -25.1738

# Details

The XYZ color **28.4631, 24.7126, 50.2836** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.2629, 45.1546, 26.4914**, and the grayscale version is **24.5451, 25.8233, 28.1216**.

A 20% lighter version of the original color is **56.6549, 51.2678, 91.7037**, and **11.6763, 9.4619, 23.7652** is the 20% darker color. If you saturate the color by 10%, you get **24.2089, 19.2959, 49.4627**, and if you desaturate by 10%, it is **33.4004, 31.1461, 51.2656**.

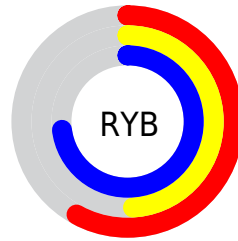
# Distribution



Red (58%)

Green (49%)

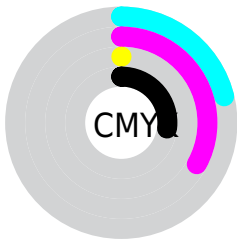
Blue (73%)



Red (58%)

Yellow (49%)

Blue (73%)

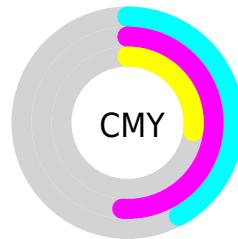


Cyan (21%)

Magenta (33%)

Yellow (0%)

Black (27%)



Cyan (42%)

Magenta (51%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4631, 24.7126, 50.2836 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 28.4631, 24.7126, 50.2836 by changing the saturation by 10% instead.



■ 28.4631, 24.7126,  
50.2836

■ 28.4631, 24.7126,  
50.2836

286.7133,  
276.4036, 404.5408

■ 18.8173, 15.8631,  
35.2660

■ 56.6264, 51.1906,  
91.9956

■ 11.6415, 9.4273,  
23.5827

■ 75.8747, 69.5878,  
119.5270

■ 6.5705, 5.0209,  
14.8150

■ 99.0544, 91.9364,  
152.0669

■ 3.2389, 2.2595,  
8.5445

126.5310,  
118.6208, 190.0336

■ 1.2813, 0.7522,  
4.3526

158.6699,  
150.0253, 233.8459

■ 0.1692, 0.0000,  
1.8207

195.8363,

■ 0.0000, 0.0000,

186.5343, 283.9221

0.4415

238.3957,  
228.5323, 340.6809

■ 0.0000, 0.0000,  
0.0000

■ 28.4631, 24.7126,  
50.2836

■ 28.4631, 24.7126,  
50.2836

■ 24.2089, 19.2959,  
49.4627

■ 33.4004, 31.1461,  
51.2656

■ 20.6029, 14.8392,  
48.7925

■ 39.0482, 38.6429,  
52.4149

■ 17.6110, 11.2848,  
48.2642

■ 45.4356, 47.2504,  
53.7397

■ 15.1943, 8.5673,  
47.8670

■ 52.5890, 57.0123,  
55.2469

■ 13.3091, 6.6119,  
47.5889

■ 60.5336, 67.9695,  
56.9431

■ 11.9043, 5.3299,  
47.4155

■ 69.2936, 80.1613,  
58.8347

■ 11.1086, 4.6905,  
47.3340

■ 78.2815, 92.4045,  
60.7241

■ 82.4213, 94.5386,  
60.9179

■ 85.9697, 96.3679,  
61.0839

# Harmonies

## Analogous

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



24.2665, 24.7126, 56.8730



28.4631, 24.7126, 50.2836



31.5724, 24.7126, 37.6042

# Triad

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



28.4631, 24.7126, 50.2836



26.9749, 24.7126, 10.9465



16.3732, 24.7126, 29.1724

# Complementary

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



28.4631, 24.7126, 50.2836



37.2629, 45.1546, 26.4914

# 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.



16.9178, 24.7126, 18.4605



28.4631, 24.7126, 50.2836



22.7274, 24.7126, 9.9041

# Square

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



28.4631, 24.7126, 50.2836



30.6444, 24.7126, 15.6476



19.1303, 24.7126, 12.2016



17.5437, 24.7126, 42.5802



# Rectangle

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



28.4631, 24.7126, 50.2836



32.4295, 24.7126, 28.7497



19.1303, 24.7126, 12.2016



16.3635, 24.7126, 25.1463

# Sweetspot

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



28.4639, 24.7136, 50.2842



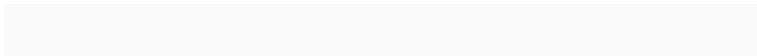
72.6210, 72.8094, 94.4275



31.3324, 35.5398, 52.2226



15.6502, 15.5749, 20.7240



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



28.4639, 24.7136, 50.2842



45.5105, 37.2733, 88.9972



34.5248, 27.8381, 50.5678



9.3179, 9.3807, 11.9918



7.7245, 3.2682, 32.6166



0.3740, 0.1648, 1.2810



# Inverse Universe

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



34.8381, 28.2406, 39.6921



58.8567, 44.6695, 66.3136



31.7175, 42.2959, 26.2319



9.7866, 9.6389, 11.2653



16.6023, 8.2721, 13.7314

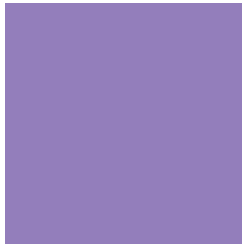


0.6800, 0.3359, 0.6939



# Previews

## White Background



This preview shows how the XYZ color 28.4631, 24.7126, 50.2836 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

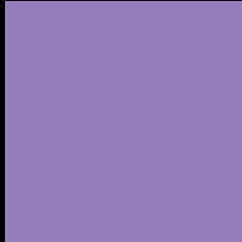
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.4631, 24.7126, 50.2836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

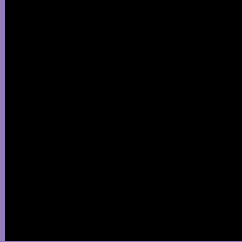
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.4631, 24.7126, 50.2836**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.4631, 24.7126, 50.2836.



This preview shows how white text looks on a background with the XYZ color 28.4631, 24.7126,



# 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

28.4631, 24.7126, 50.2836

### Protanopia

25.7339, 24.7968, 54.4689

### Deuteranopia

25.3081, 24.6906, 49.3308



## Tritanopia

24.2834, 24.5835, 30.2533

# Trichromacy



## Original Color

28.4631, 24.7126, 50.2836

## Protanomaly

26.5735, 24.6613, 52.6497

## Deuteranomaly

26.3393, 24.6031, 49.8150

## Tritanomaly

25.6168, 24.5214, 36.6407

# Monochromacy



## Original Color

28.4631, 24.7126, 50.2836

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

25.6812, 25.2013, 34.9633

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.4631, 24.7126, 50.2836 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(147, 126, 187)` looks like.

```
.text, #text, p{  
    color:rgb(147, 126, 187)  
}
```

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(147, 126, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 126, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 28.4631, 24.7126, 50.2836 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(147, 126, 187) }
```



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

```
.border{ border-color:rgb(147, 126, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 126, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 126, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 126, 187);  
box-shadow:4px 4px 4px 4px rgb(147, 126,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.4631, 24.7126, 50.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 126, 187) }
```

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

```
.background{ background-color: rgb(147,  
126, 187) }
```

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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