

# Converting Colors

XYZ(24.0514, 24.8585, 31.5007)

Have a look what the booklet for  
XYZ(24.0514, 24.8585, 31.5007)  
contains.

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# Color

**XYZ(23.9810, 24.8148,  
31.5428)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	868894
RGB	134, 136, 148
RGB Percent	53%, 53%, 58%
CMY	0.4745, 0.4667, 0.4196
CMYK	0.09, 0.08, 0.00, 0.42
HSL	231°, 6%, 55%
HSV	231°, 9%, 58%
XYZ	23.9810, 24.8148, 31.5428
YIQ	136.7700, -5.0440, 3.3080

# Conversions

## Conversions Part 2

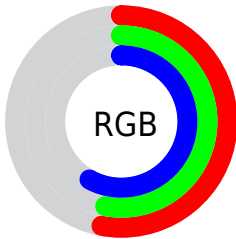
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 136, 148
Decimal	8816788
CIELab	56.89, 1.75, -6.66
CIELCh	57, 6.880, 284.696
Yxy	24.8148, 0.2985, 0.3089
Android (android.graphics.Color)	4287006868 (0xFF868894)
YUV	136.7700, 5.5364, -2.4293
Hunter-Lab	49.8145, -1.2442, -2.6727

# Details

The XYZ color **23.9810, 24.8148, 31.5428** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.7948, 28.5747, 26.6580**, and the grayscale version is **23.6728, 24.9056, 27.1222**.

A 20% lighter version of the original color is **49.3518, 51.2243, 63.1633**, and **9.1416, 9.4035, 12.6425** is the 20% darker color. If you saturate the color by 10%, you get **20.1035, 20.3197, 30.8799**, and if you desaturate by 10%, it is **28.4016, 29.9050, 32.2927**.

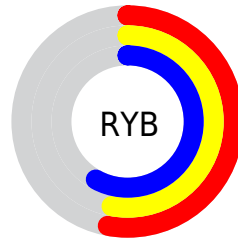
# Distribution



Red (53%)

Green (53%)

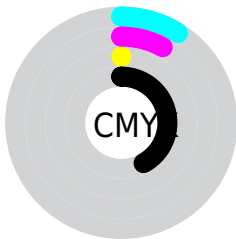
Blue (58%)



Red (53%)

Yellow (53%)

Blue (58%)

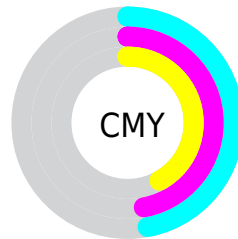


Cyan (9%)

Magenta (8%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (47%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9810, 24.8148, 31.5428 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 23.9810, 24.8148, 31.5428 by changing the saturation by 10% instead.



■ 23.9810, 24.8148,  
31.5428

■ 23.9810, 24.8148,  
31.5428

265.1667,  
276.9144, 323.4596

■ 15.4442, 15.9391,  
20.7506

■ 49.4541, 51.3566,  
63.1832

■ 9.2201, 9.4811,  
12.7524

■ 67.1211, 69.7915,  
84.8685

■ 4.9433, 5.0563,  
7.1295

■ 88.5622, 92.1817,  
111.0219

■ 2.2484, 2.2803,  
3.4636

114.1427,  
118.9114, 142.0620

■ 0.7681, 0.7633,  
1.3359

144.2281,  
150.3652, 178.4072

■ 0.0000, 0.0000,  
0.0910

179.1836,

■ 0.0000, 0.0000,

186.9273, 220.4762

0.0000

219.3747,  
228.9823, 268.6875

■ 23.9810, 24.8148,  
31.5428

■ 23.9810, 24.8148,  
31.5428

■ 20.1035, 20.3197,  
30.8799

■ 28.4016, 29.9050,  
32.2927

■ 16.7458, 16.3949,  
30.2993

■ 33.3828, 35.6078,  
33.1309

■ 13.8863, 13.0183,  
29.7983

■ 38.9443, 41.9438,  
34.0608

■ 11.5012, 10.1654,  
29.3733

■ 45.1039, 48.9317,  
35.0849

■ 9.5643, 7.8096,  
29.0207

■ 51.8789, 56.5895,  
36.2059

■ 8.0471, 5.9220,  
28.7363

■ 59.2856, 64.9343,  
37.4263

■ 6.9178, 4.4707,  
28.5157

■ 67.3400, 73.9829,  
38.7483

■ 6.1397, 3.4196,  
28.3538

■ 76.0573, 83.7512,  
40.1743

■ 5.6395, 2.7114,  
28.2435

■ 80.8196, 91.8666,  
41.4898

# Harmonies

## Analogous

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



23.1791, 24.8148, 31.5293



23.9810, 24.8148, 31.5428



24.6924, 24.8148, 30.2979

# Triad

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



23.9810, 24.8148, 31.5428



24.7044, 24.8148, 24.0166



22.1225, 24.8148, 25.8647

# Complementary

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



23.9810, 24.8148, 31.5428



26.7948, 28.5747, 26.6580

# 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.



22.5126, 24.8148, 23.9858



23.9810, 24.8148, 31.5428



23.9971, 24.8148, 22.9609

# Square

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



23.9810, 24.8148, 31.5428



25.1165, 24.8148, 25.9089



23.1948, 24.8148, 22.9500



22.1185, 24.8148, 28.1606



# Rectangle

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



23.9810, 24.8148, 31.5428



25.0144, 24.8148, 28.9605



23.1948, 24.8148, 22.9500



22.2125, 24.8148, 25.1664

# Sweetspot

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



23.9817, 24.8158, 31.5433



47.1921, 49.4090, 56.4842



25.6024, 28.3208, 31.2709



10.6349, 11.1202, 12.8707



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.



23.9817, 24.8158, 31.5433



41.0410, 42.3143, 55.4390



24.5016, 24.6692, 31.4876



5.5625, 5.7589, 7.2881



4.8105, 2.3158, 24.1245



0.0717, 0.0540, 0.2995



# Inverse Universe

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



25.1824, 25.1242, 26.8160



43.5276, 42.9637, 45.6460



26.2384, 28.7501, 26.7212



5.8326, 5.8281, 6.2246



10.5552, 5.4271, 1.1387



0.1357, 0.0690, 0.0481



# Previews

## White Background



This preview shows how the XYZ color 23.9810, 24.8148, 31.5428 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 23.9810, 24.8148, 31.5428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

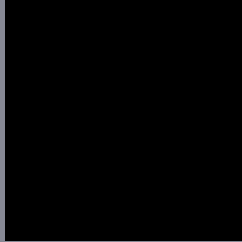
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 23.9810, 24.8148, 31.5428**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.9810, 24.8148, 31.5428.



This preview shows how white text looks on a background with the XYZ color 23.9810, 24.8148,

31.5428.

# 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

23.9810, 24.8148, 31.5428

### Protanopia

24.3028, 24.9807, 31.5578

### Deuteranopia

25.3139, 24.8743, 31.9008



## Tritanopia

23.9021, 24.7832, 31.1276

# Trichromacy



## Original Color

23.9810, 24.8148, 31.5428

## Protanomaly

24.1411, 24.8973, 31.5503

## Deuteranomaly

24.7651, 24.7956, 31.9145

## Tritanomaly

23.9021, 24.7832, 31.1276

# Monochromacy



## Original Color

23.9810, 24.8148, 31.5428

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

23.9067, 25.0486, 28.7742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.9810, 24.8148, 31.5428 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(134, 136, 148)` looks like.

```
.text, #text, p{  
    color:rgb(134, 136, 148)  
}
```

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(134, 136, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 136, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 23.9810, 24.8148, 31.5428 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(134, 136, 148) }
```



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

```
.border{ border-color:rgb(134, 136, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 136, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 136, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 136, 148);  
box-shadow:4px 4px 4px 4px rgb(134, 136,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.9810, 24.8148, 31.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 136, 148) }
```

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

```
.background{ background-color: rgb(134,  
136, 148) }
```

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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