

# Converting Colors

XYZ(31.3860, 29.0511, 24.4681)

Have a look what the booklet for  
XYZ(31.3860, 29.0511, 24.4681)  
contains.

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# Color

**XYZ(31.4323, 29.0335,  
24.3694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B38980
RGB	179, 137, 128
RGB Percent	70%, 54%, 50%
CMY	0.2980, 0.4627, 0.4980
CMYK	0.00, 0.23, 0.28, 0.30
HSL	11°, 25%, 60%
HSV	11°, 28%, 70%
XYZ	31.4323, 29.0335, 24.3694
YIQ	148.5320, 27.9210, 6.1050

# Conversions

## Conversions Part 2

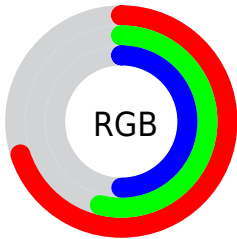
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 139, 128
Decimal	11766144
CIELab	60.81, 14.68, 11.00
CIELCh	61, 18.349, 36.847
Yxy	29.0335, 0.3705, 0.3422
Android (android.graphics.Color)	4289956224 (0xFFB38980)
YUV	148.5320, -10.1223, 26.7204
Hunter-Lab	53.8827, 9.8325, 10.9030

# Details

The XYZ color **31.4323, 29.0335, 24.3694** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **31.4130, 36.5921, 48.0552**, and the grayscale version is **28.4041, 29.8833, 32.5430**.

A 20% lighter version of the original color is **61.5634, 58.4307, 51.7496**, and **13.2769, 11.7409, 8.9636** is the 20% darker color. If you saturate the color by 10%, you get **28.4025, 24.6958, 18.0505**, and if you desaturate by 10%, it is **34.9578, 34.0295, 31.8796**.

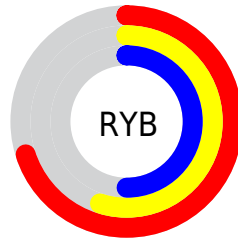
# Distribution



Red (70%)

Green (54%)

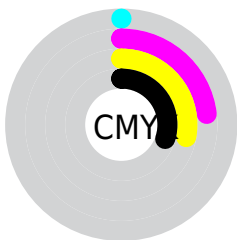
Blue (50%)



Red (70%)

Yellow (55%)

Blue (50%)

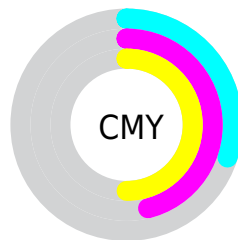


Cyan (0%)

Magenta (23%)

Yellow (28%)

Black (30%)



Cyan (30%)

Magenta (46%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4323, 29.0335, 24.3694 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 31.4323, 29.0335, 24.3694 by changing the saturation by 10% instead.





 31.4323, 29.0335,  
24.3694


 31.4323, 29.0335,  
24.3694


300.3164,  
297.3730, 288.0292


 21.0817, 19.1062,  
15.3931


 61.2913, 58.1303,  
51.5837

 13.2965, 11.7470,  
8.9461


 81.5303, 78.0686,  
70.6588

 7.7115, 6.5717,  
4.6097


 105.7963,  
102.1126, 93.9373

 3.9611, 3.1957,  
1.9654

134.4545,  
130.6468, 121.8377

 1.6802, 1.2347,  
0.5339

167.8702,  
164.0555, 154.7786

 0.4438, 0.0898,  
0.0000

206.4089,

 0.0000, 0.0000,

202.7232, 193.1784

0.0000

250.4358,  
247.0342, 237.4558

■ 31.4323, 29.0335,  
24.3694

■ 31.4323, 29.0335,  
24.3694

■ 28.4025, 24.6958,  
18.0505

■ 34.9578, 34.0295,  
31.8796

■ 25.8436, 20.9851,  
12.8598

■ 38.9977, 39.7057,  
40.6364

■ 23.7321, 17.8732,  
8.7309


■ 43.5725, 46.0878,  
50.6934


■ 22.0417, 15.3283,  
5.5899


■ 48.7010, 53.1989,  
62.1010


■ 20.7429, 13.3158,  
3.3533


■ 54.4009, 61.0611,  
74.9066


 19.8023, 11.7968,  
1.9235

 60.6892, 69.6958,  
89.1553

 19.1723, 10.7237,  
1.1370

 67.5823, 79.1232,  
104.8905

 19.0963, 10.5954,  
1.0386

 72.3761, 88.2750,  
107.8319

 72.4004, 88.3237,  
107.8400

# Harmonies

## Analogous

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



32.4061, 29.0335, 30.0718



31.4323, 29.0335, 24.3694



29.4391, 29.0335, 21.0047

# Triad

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



31.4323, 29.0335, 24.3694



23.5882, 29.0335, 26.7224



28.1461, 29.0335, 46.5358

# Complementary

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



31.4323, 29.0335, 24.3694



31.4130, 36.5921, 48.0552

# 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.



25.8305, 29.0335, 45.2986



31.4323, 29.0335, 24.3694



23.2862, 29.0335, 33.2050

# Square

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



31.4323, 29.0335, 24.3694



24.9345, 29.0335, 22.2202



24.0843, 29.0335, 40.1651



30.4393, 29.0335, 43.3367



# Rectangle

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



31.4323, 29.0335, 24.3694



27.8486, 29.0335, 20.2239



24.0843, 29.0335, 40.1651



27.3439, 29.0335, 46.6314

# Sweetspot

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



31.4331, 29.0349, 24.3700



69.3365, 70.4014, 71.6713



33.6129, 27.9436, 41.9008



15.1193, 15.2580, 15.3509



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



31.4331, 29.0349, 24.3700



52.8911, 47.1365, 36.5139



35.4072, 36.9831, 25.6947



8.6137, 8.7399, 8.8855



13.5291, 7.5567, 0.7455



0.4622, 0.3108, 0.0356



# Inverse Universe

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



31.4130, 36.5921, 48.0552



52.8412, 62.8220, 85.7220



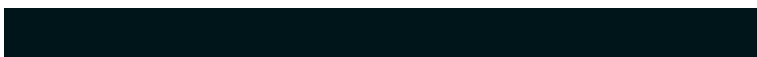
27.1644, 28.0949, 46.6390



8.6125, 9.3712, 10.8612



13.2092, 17.2188, 32.7644

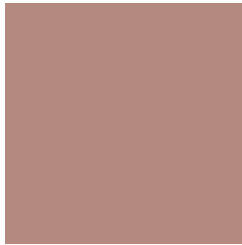


0.4490, 0.6086, 1.0420



# Previews

## White Background



This preview shows how the XYZ color 31.4323, 29.0335, 24.3694 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 31.4323, 29.0335, 24.3694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

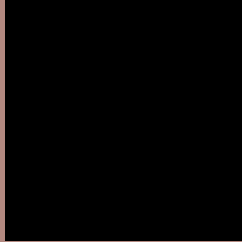
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 31.4323, 29.0335, 24.3694

## Background



This preview shows how black text looks on a background with the XYZ color 31.4323, 29.0335, 24.3694.



This preview shows how white text looks on a background with the XYZ color 31.4323, 29.0335,



# 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

31.4323, 29.0335, 24.3694

### Protanopia

27.6494, 29.0235, 26.3351

### Deuteranopia

29.5041, 28.9069, 24.1032



## Tritanopia

32.6920, 28.9183, 30.6468

# Trichromacy



## Original Color

31.4323, 29.0335, 24.3694

## Protanomaly

28.8195, 28.9650, 25.5446

## Deuteranomaly

30.2221, 29.0591, 24.0948

## Tritanomaly

32.1466, 28.8953, 28.3091

# Monochromacy



## Original Color

31.4323, 29.0335, 24.3694

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.4303, 29.6475, 29.3707

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.4323, 29.0335, 24.3694 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(179, 137, 128)` looks like.

```
.text, #text, p{  
    color:rgb(179, 137, 128)  
}
```

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(179, 137, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 137, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 31.4323, 29.0335, 24.3694 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(179, 137, 128) }
```



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

```
.border{ border-color:rgb(179, 137, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 137, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 137, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 137, 128);  
box-shadow:4px 4px 4px 4px rgb(179, 137,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.4323, 29.0335, 24.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 137, 128) }
```

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

```
.background{ background-color: rgb(179,  
137, 128) }
```

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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