

Converting Colors

XYZ(37.8397, 37.3265, 29.1243)

Have a look what the booklet for
XYZ(37.8397, 37.3265, 29.1243)
contains.

XYZ(37.9718, 37.4501, 29.2720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.9718, 37.4501,
29.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9F8A
RGB	189, 159, 138
RGB Percent	74%, 62%, 54%
CMY	0.2588, 0.3765, 0.4588
CMYK	0.00, 0.16, 0.27, 0.26
HSL	25°, 28%, 64%
HSV	25°, 27%, 74%
XYZ	37.9718, 37.4501, 29.2720
YIQ	165.5760, 24.6210, -0.1710

Conversions

Conversions Part 2

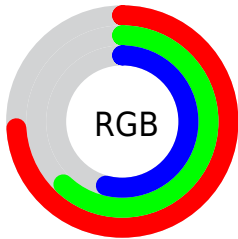
Format	Color
R _{YB}	189, 174, 138
Decimal	12427146
CIE Lab	67.61, 7.85, 15.08
CIE LCh	68, 17.001, 62.504
Yxy	37.4501, 0.3627, 0.3577
Android (android.graphics.Color)	4290617226 (0xFFBD9F8A)
YUV	165.5760, -13.5950, 20.5428
Hunter-Lab	61.1965, 3.6636, 14.4775

Details

The XYZ color **37.9718, 37.4501, 29.2720** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **33.6687, 37.0814, 53.5270**, and the grayscale version is **36.0969, 37.9768, 41.3567**.

A 20% lighter version of the original color is **71.4566, 71.4476, 59.3148**, and **17.1157, 16.5806, 11.5308** is the 20% darker color. If you saturate the color by 10%, you get **34.8946, 33.2981, 22.0727**, and if you desaturate by 10%, it is **41.4611, 42.0446, 37.7843**.

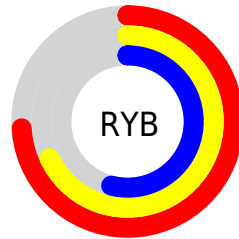
Distribution



Red (74%)

Green (62%)

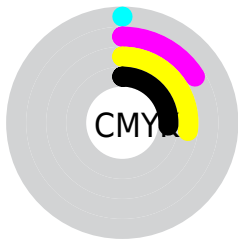
Blue (54%)



Red (74%)

Yellow (68%)

Blue (54%)

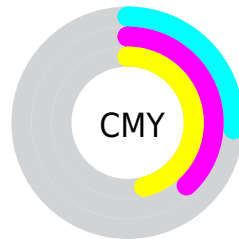


Cyan (0%)

Magenta (16%)

Yellow (27%)

Black (26%)



Cyan (26%)


Magenta (38%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9718, 37.4501, 29.2720 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 37.9718, 37.4501, 29.2720 by changing the saturation by 10% instead.


 37.9718, 37.4501,
29.2720


 37.9718, 37.4501,
29.2720


328.7819,
335.2551, 312.5972


 26.1379, 25.5562,
19.0393


 71.3691, 71.2645,
59.5563

 17.0601, 16.4919,
11.5216


 93.6632, 93.9538,
80.4450

 10.3729, 9.8729,
6.3003


 120.1748,
121.0103, 105.7228

 5.7110, 5.3148,
2.9568

151.2692,
152.8184, 135.8082

 2.7092, 2.4331,
1.0726

187.3117,
189.7626, 171.1199

 1.0019, 0.8428,
0.0000

228.6678,

 0.0000, 0.0000,

232.2271, 212.0762

0.0000

275.7027,
280.5965, 259.0958

■ 37.9718, 37.4501,
29.2720

■ 37.9718, 37.4501,
29.2720

■ 34.8946, 33.2981,
22.0727

■ 41.4611, 42.0446,
37.7843

■ 32.2097, 29.5696,
16.1176

■ 45.3752, 47.0898,
47.6690

■ 29.8998, 26.2515,
11.3351

■ 49.7301, 52.6000,
58.9846

■ 27.9453, 23.3280,
7.6453

■ 54.5399, 58.5873,
71.7856

■ 26.3242, 20.7821,
4.9579

■ 59.8180, 65.0635,
86.1235

■ 25.0114, 18.5952,
3.1683

■ 65.5774, 72.0396,
102.0475

■ 23.9743, 16.7448,
2.1322

■ 69.2676, 78.5015,
106.1093

■ 23.6992, 16.2448,
1.8865

■ 72.5832, 85.1327,
107.2145

■ 74.7963, 89.5588,
107.9521

Harmonies

Analogous

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



40.0146, 37.4501, 33.5055



37.9718, 37.4501, 29.2720



35.3755, 37.4501, 27.9957

Triad

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



37.9718, 37.4501, 29.2720



30.7962, 37.4501, 41.4104



38.3712, 37.4501, 54.1933

Complementary

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



37.9718, 37.4501, 29.2720



33.6687, 37.0814, 53.5270

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.



35.8158, 37.4501, 56.9540



37.9718, 37.4501, 29.2720



31.5138, 37.4501, 49.0306

Square

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



37.9718, 37.4501, 29.2720



31.3113, 37.4501, 34.4725



33.3199, 37.4501, 54.9589



40.2530, 37.4501, 47.8063

Rectangle

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



37.9718, 37.4501, 29.2720



33.7018, 37.4501, 28.8484



33.3199, 37.4501, 54.9589



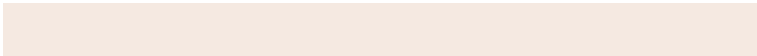
37.5582, 37.4501, 55.6092

Sweetspot

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



37.9728, 37.4518, 29.2728



80.4253, 83.2620, 83.2211



37.1989, 31.8457, 41.5260



17.0597, 17.6035, 17.2962



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.



37.9728, 37.4518, 29.2728



64.8726, 62.8679, 45.0155



42.6935, 46.8933, 30.8464



9.8442, 10.1644, 10.0197



16.0170, 11.0729, 1.2931



0.6920, 0.5629, 0.0722

Inverse Universe

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



33.6687, 37.0814, 53.5270



55.9523, 62.0937, 95.2625



29.5044, 28.7528, 52.1389



9.4702, 10.1327, 12.1289



10.0934, 10.2984, 33.8487



0.4583, 0.5294, 1.3469

Previews

White Background



This preview shows how the XYZ color 37.9718, 37.4501, 29.2720 looks on a white background.

Color Contrast Check

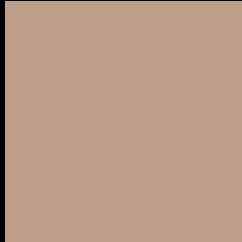
Large Text (above 18pt) WCAG AA × Fail

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 37.9718, 37.4501, 29.2720 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 ✓ Pass

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

XYZ 37.9718, 37.4501, 29.2720

Background



This preview shows how black text looks on a background with the XYZ color 37.9718, 37.4501, 29.2720.



This preview shows how white text looks on a background with the XYZ color 37.9718, 37.4501,

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

37.9718, 37.4501, 29.2720

Protanopia

35.3168, 37.3582, 30.5488

Deuteranopia

38.2208, 37.5784, 29.2837



Tritanopia

40.4346, 37.4392, 41.6546

Trichromacy



Original Color

37.9718, 37.4501, 29.2720

Protanomaly

36.2444, 37.3178, 30.1037

Deuteranomaly

38.2208, 37.5784, 29.2837

Tritanomaly

39.3751, 37.2536, 36.5679

Monochromacy



Original Color

37.9718, 37.4501, 29.2720

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.5535, 37.5934, 36.7822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9718, 37.4501, 29.2720 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(189, 159, 138)` looks like.

```
.text, #text, p{  
    color:rgb(189, 159, 138)  
}
```

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(189, 159, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 159, 138) }
```

Border

The CSS property to change the border of an element to XYZ 37.9718, 37.4501, 29.2720 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(189, 159, 138) }
```


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

```
.border{ border-color:rgb(189, 159, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 159, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 159, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 159, 138); box-shadow:4px 4px 4px 4px rgb(189, 159, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9718, 37.4501, 29.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 159, 138) }
```

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

```
.background{ background-color: rgb(189,  
159, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor