

Converting Colors

XYZ(31.6934, 32.8628, 23.6956)

Have a look what the booklet for
XYZ(31.6934, 32.8628, 23.6956)
contains.

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Color

**XYZ(31.6069, 32.7837,
23.7308)**

Conversions

Conversions Part 1

Format	Color
Hex	AA997C
RGB	170, 153, 124
RGB Percent	67%, 60%, 49%
CMY	0.3333, 0.4000, 0.5137
CMYK	0.00, 0.10, 0.27, 0.33
HSL	38°, 21%, 58%
HSV	38°, 27%, 67%
XYZ	31.6069, 32.7837, 23.7308
YIQ	154.7770, 19.4410, -5.4150

Conversions

Conversions Part 2

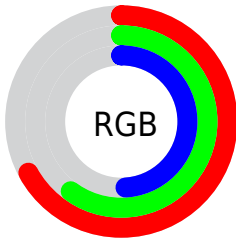
Format	Color
RYB	151, 170, 124
Decimal	11180412
CIELab	63.99, 1.64, 17.55
CIELCh	64, 17.623, 84.658
Yxy	32.7837, 0.3587, 0.3720
Android (android.graphics.Color)	4289370492 (0xFFAA997C)
YUV	154.7770, -15.1731, 13.3506
Hunter-Lab	57.2571, -1.6647, 15.5066

Details

The XYZ color **31.6069, 32.7837, 23.7308** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.0927, 26.2366, 41.7721**, and the grayscale version is **31.1167, 32.7372, 35.6508**.

A 20% lighter version of the original color is **61.6127, 63.9687, 50.6948**, and **13.3575, 13.7926, 8.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.6222, 30.3890, 18.2147**, and if you desaturate by 10%, it is **33.8328, 35.3638, 30.2426**.

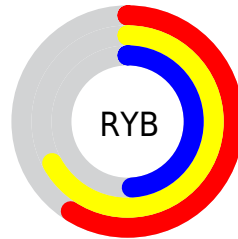
Distribution



Red (67%)

Green (60%)

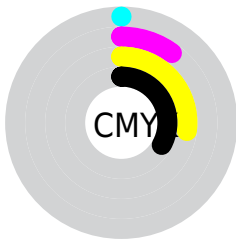
Blue (49%)



Red (59%)

Yellow (67%)

Blue (49%)

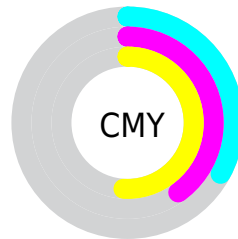


Cyan (0%)

Magenta (10%)

Yellow (27%)

Black (33%)



Cyan (33%)

Magenta (40%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6069, 32.7837, 23.7308 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 31.6069, 32.7837, 23.7308 by changing the saturation by 10% instead.

■ 31.6069, 32.7837,
23.7308

■ 31.6069, 32.7837,
23.7308

301.1018,
314.6739, 284.6993

■ 21.2155, 21.9608,
14.9237

■ 61.5637, 64.0377,
50.5289

■ 13.3950, 13.8281,
8.6198

■ 81.8598, 85.2376,
69.3569

■ 7.7800, 8.0012,
4.4006

■ 106.1882,
110.6652, 92.3623

■ 4.0051, 4.0957,
1.8476

134.9142,
140.7050, 119.9637

■ 1.7050, 1.7272,
0.4591

168.4032,
175.7414, 152.5795

■ 0.4594, 0.4412,
0.0000

207.0206,

■ 0.0000, 0.0000,

216.1588, 190.6284

0.0000

251.1317,
262.3415, 234.5288

■ 31.6069, 32.7837,
23.7308

■ 31.6069, 32.7837,
23.7308

■ 29.6222, 30.3890,
18.2147

■ 33.8328, 35.3638,
30.2426

■ 27.8659, 28.1697,
13.6417

■ 36.3070, 38.1300,
37.7946

■ 26.3275, 26.1216,
9.9579

■ 39.0393, 41.0886,
46.4315

■ 24.9948, 24.2383,
7.1026

■ 42.0385, 44.2444,
56.1944

■ 23.8541, 22.5129,
5.0077

■ 45.3125, 47.6017,
67.1224

■ 22.8893, 20.9376,
3.5941

■ 48.8692, 51.1648,
79.2528

■ 22.0774, 19.5017,
2.7442

■ 52.7159, 54.9379,
92.6210

■ 21.8548, 19.1004,
2.5349

■ 56.0440, 58.5987,
102.9646

■ 57.5600, 61.6308,
103.4699

Harmonies

Analogous

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



34.0065, 32.7837, 25.6563



31.6069, 32.7837, 23.7308



29.2086, 32.7837, 24.6476

Triad

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



31.6069, 32.7837, 23.7308



27.0160, 32.7837, 41.7149



35.2224, 32.7837, 44.2113

Complementary

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



31.6069, 32.7837, 23.7308



25.0927, 26.2366, 41.7721

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.



33.1962, 32.7837, 49.6329



31.6069, 32.7837, 23.7308



28.4768, 32.7837, 48.0626

Square

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



31.6069, 32.7837, 23.7308



26.6404, 32.7837, 34.4369



30.7172, 32.7837, 51.1281



36.1637, 32.7837, 36.9851

Rectangle

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



31.6069, 32.7837, 23.7308



27.9206, 32.7837, 26.8198



30.7172, 32.7837, 51.1281



34.6405, 32.7837, 46.3415

Sweetspot

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



31.6078, 32.7852, 23.7315



65.3645, 68.6203, 66.9909



28.6406, 24.9038, 28.7449



14.4238, 15.1337, 14.4677



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.6078, 32.7852, 23.7315



55.3067, 57.0438, 37.3133



33.4540, 38.1650, 24.6726



7.9104, 8.3008, 7.9746



16.1312, 14.1596, 1.8829



0.4389, 0.4373, 0.0613

Inverse Universe

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



25.0927, 26.2366, 41.7721



41.6406, 43.3111, 75.1671



23.5728, 22.0139, 41.0371



7.3504, 7.7376, 9.5244



6.6869, 4.8340, 28.5561



0.2117, 0.2156, 0.7111

Previews

White Background



This preview shows how the XYZ color 31.6069, 32.7837, 23.7308 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 31.6069, 32.7837, 23.7308 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

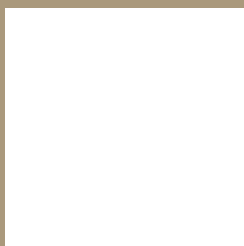
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6069, 32.7837, 23.7308

Background



This preview shows how black text looks on a background with the XYZ color 31.6069, 32.7837, 23.7308.



This preview shows how white text looks on a background with the XYZ color 31.6069, 32.7837,

23.7308.

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

31.6069, 32.7837, 23.7308

Protanopia

30.9401, 32.9227, 24.1260

Deuteranopia

33.2715, 32.6789, 23.9561



Tritanopia

34.3906, 32.7165, 37.7600

Trichromacy



Original Color

31.6069, 32.7837, 23.7308

Protanomaly

31.1936, 32.8074, 24.0904

Deuteranomaly

32.5125, 32.5235, 23.9661

Tritanomaly

33.4064, 32.8035, 32.1748

Monochromacy



Original Color

31.6069, 32.7837, 23.7308

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0868, 32.5984, 31.0392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6069, 32.7837, 23.7308 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(170, 153, 124)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 124)  
}
```

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(170, 153, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 124) }
```

Border

The CSS property to change the border of an element to XYZ 31.6069, 32.7837, 23.7308 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(170, 153, 124) }
```


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

```
.border{ border-color:rgb(170, 153, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 124);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6069, 32.7837, 23.7308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 124) }
```

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

```
.background{ background-color: rgb(170,  
153, 124) }
```

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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