

Converting Colors

XYZ(23.6374, 23.1052, 14.7700)

Have a look what the booklet for
XYZ(23.6374, 23.1052, 14.7700)
contains.

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Color

**XYZ(23.6986, 23.2287,
14.7898)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7F62
RGB	157, 127, 98
RGB Percent	62%, 50%, 38%
CMY	0.3843, 0.5019, 0.6157
CMYK	0.00, 0.19, 0.38, 0.38
HSL	29°, 23%, 50%
HSV	29°, 38%, 62%
XYZ	23.6986, 23.2287, 14.7898
YIQ	132.6640, 27.1890, -2.6590

Conversions

Conversions Part 2

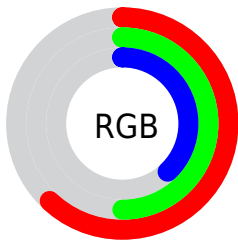
Format	Color
RYB	157, 155, 98
Decimal	10321762
CIELab	55.31, 7.34, 20.13
CIElCh	55, 21.432, 69.964
Yxy	23.2287, 0.3840, 0.3764
Android (android.graphics.Color)	4288511842 (0xFF9D7F62)
YUV	132.6640, -17.0894, 21.3427
Hunter-Lab	48.1962, 3.4272, 15.5432

Details

The XYZ color **23.6986, 23.2287, 14.7898** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.8417, 20.4686, 34.8560**, and the grayscale version is **22.2259, 23.3834, 25.4645**.

A 20% lighter version of the original color is **49.1866, 48.9586, 35.2913**, and **9.0309, 8.6309, 4.3219** is the 20% darker color. If you saturate the color by 10%, you get **22.0386, 20.9808, 10.9310**, and if you desaturate by 10%, it is **25.5869, 25.7003, 19.4426**.

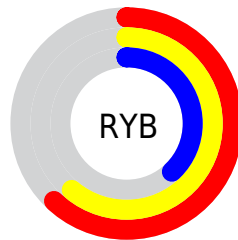
Distribution



Red (62%)

Green (50%)

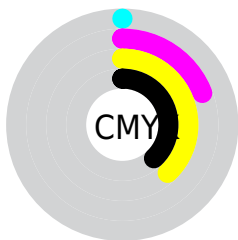
Blue (38%)



Red (62%)

Yellow (61%)

Blue (38%)

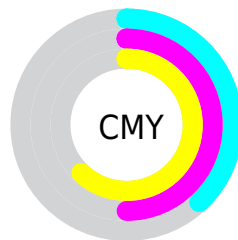


Cyan (0%)

Magenta (19%)

Yellow (38%)

Black (38%)



Cyan (38%)

Magenta (50%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6986, 23.2287, 14.7898 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 23.6986, 23.2287, 14.7898 by changing the saturation by 10% instead.

■ 23.6986, 23.2287,
14.7898

■ 23.6986, 23.2287,
14.7898

263.7620,
268.8975, 233.6872

■ 15.2337, 14.7625,
8.5270

■ 48.9962, 48.7686,
35.2211

■ 9.0710, 8.6529,
4.3414

■ 66.5596, 66.6110,
50.2266

■ 4.8450, 4.5155,
1.8144

■ 87.8865, 88.3476,
68.9836

■ 2.1904, 1.9659,
0.4375

■ 113.3424,
114.3629, 91.9104

■ 0.7377, 0.5875,
0.0000

143.2925,
145.0411, 119.4256

■ 0.0000, 0.0000,
0.0000

178.1022,

180.7666, 151.9478

218.1369,
221.9240, 189.8954

■ 23.6986, 23.2287,
14.7898

■ 23.6986, 23.2287,
14.7898

■ 22.0386, 20.9808,
10.9310

■ 25.5869, 25.7003,
19.4426

■ 20.5946, 18.9462,
7.8192

■ 27.7115, 28.3992,
24.9300

■ 19.3560, 17.1183,
5.4045

■ 30.0819, 31.3328,
31.2913

■ 18.3100, 15.4887,
3.6304

■ 32.7066, 34.5074,
38.5631

■ 17.4423, 14.0484,
2.4311

■ 35.5938, 37.9287,
46.7797

■ 16.7295, 12.7845,
1.6951

■ 38.7512, 41.6025,
55.9738

■ 16.5711, 12.5010,
1.5395

■ 42.1861, 45.5343,
66.1763

■ 45.9056, 49.7292,
77.4169

■ 49.9164, 54.1925,
89.7241

Harmonies

Analogous

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



25.8105, 23.2287, 17.7122



23.6986, 23.2287, 14.7898



21.2887, 23.2287, 14.3735

Triad

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



23.6986, 23.2287, 14.7898



17.8347, 23.2287, 27.6505



25.1795, 23.2287, 36.8445

Complementary

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



23.6986, 23.2287, 14.7898



18.8417, 20.4686, 34.8560

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.



22.8870, 23.2287, 40.6840



23.6986, 23.2287, 14.7898



18.7242, 23.2287, 34.7745

Square

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



23.6986, 23.2287, 14.7898



18.0173, 23.2287, 21.0257



20.5334, 23.2287, 39.8645



26.7075, 23.2287, 30.0998

Rectangle

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



23.6986, 23.2287, 14.7898



19.8509, 23.2287, 15.4766



20.5334, 23.2287, 39.8645



24.4661, 23.2287, 38.5686

Sweetspot

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



23.6992, 23.2298, 14.7903



52.2796, 54.1560, 51.7157



22.2006, 17.4750, 22.7924



11.3873, 11.7727, 11.0662



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.6992, 23.2298, 14.7903



39.9501, 38.2367, 20.6625



28.0005, 31.8325, 16.2241



6.8888, 7.1576, 7.0041



13.4957, 10.2270, 1.2627



0.2836, 0.2674, 0.0367

Inverse Universe

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



18.8417, 20.4686, 34.8560



29.9828, 32.5699, 61.8331



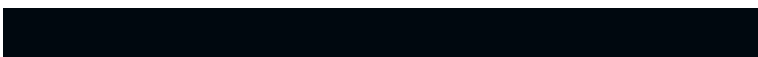
15.5833, 13.9518, 33.7699



6.5495, 6.9648, 8.4058



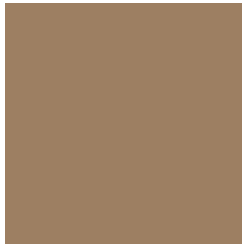
7.2992, 6.6900, 26.8138



0.1728, 0.2042, 0.4935

Previews

White Background



This preview shows how the XYZ color 23.6986, 23.2287, 14.7898 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 23.6986, 23.2287, 14.7898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

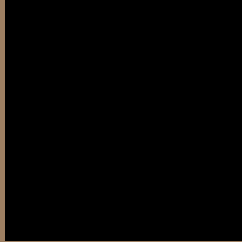
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6986, 23.2287, 14.7898

Background



This preview shows how black text looks on a background with the XYZ color 23.6986, 23.2287, 14.7898.



This preview shows how white text looks on a background with the XYZ color 23.6986, 23.2287,

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

23.6986, 23.2287, 14.7898

Protanopia

21.7068, 23.1734, 15.3854

Deuteranopia

23.6986, 23.2287, 14.7898



Tritanopia

25.6216, 23.0586, 24.9301

Trichromacy



Original Color

23.6986, 23.2287, 14.7898

Protanomaly

22.2674, 23.0692, 15.0836

Deuteranomaly

23.6986, 23.2287, 14.7898

Tritanomaly

24.8959, 23.1423, 20.9241

Monochromacy



Original Color

23.6986, 23.2287, 14.7898

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.6618, 23.3394, 21.0799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6986, 23.2287, 14.7898 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(157, 127, 98)` looks like.

```
.text, #text, p{  
    color:rgb(157, 127, 98)  
}
```

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(157, 127, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 127, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.6986, 23.2287, 14.7898 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(157, 127, 98) }
```


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

```
.border{ border-color:rgb(157, 127, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 127, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 127, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 127, 98);  
box-shadow:4px 4px 4px 4px rgb(157, 127,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6986, 23.2287, 14.7898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 127, 98) }
```

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

```
.background{ background-color: rgb(157,  
127, 98) }
```

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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