

Converting Colors

XYZ(30.7606, 30.8385, 22.8007)

Have a look what the booklet for
XYZ(30.7606, 30.8385, 22.8007)
contains.

XYZ(30.7412, 30.9305, 22.7623)	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(30.7412, 30.9305,
22.7623)**

Conversions

Conversions Part 1

Format	Color
Hex	AB937A
RGB	171, 147, 122
RGB Percent	67%, 58%, 48%
CMY	0.3294, 0.4235, 0.5216
CMYK	0.00, 0.14, 0.29, 0.33
HSL	31°, 23%, 57%
HSV	31°, 29%, 67%
XYZ	30.7412, 30.9305, 22.7623
YIQ	151.3260, 22.3290, -2.6870

Conversions

Conversions Part 2

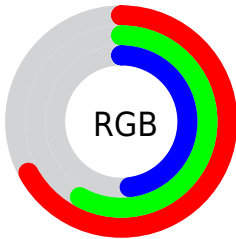
Format	Color
R_{YB}	169, 171, 122
Decimal	11244410
CIE _{Lab}	62.45, 5.07, 16.56
CIE _{LCh}	62, 17.317, 72.970
Yxy	30.9305, 0.3641, 0.3663
Android (android.graphics.Color)	4289434490 (0xFFAB937A)
YUV	151.3260, -14.4577, 17.2541
Hunter-Lab	55.6152, 1.3390, 14.6643

Details

The XYZ color **30.7412, 30.9305, 22.7623** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.6554, 27.6350, 42.5102**, and the grayscale version is **29.6091, 31.1511, 33.9235**.

A 20% lighter version of the original color is **60.2052, 61.1602, 48.6763**, and **12.9485, 12.8820, 8.1073** is the 20% darker color. If you saturate the color by 10%, you get **28.5185, 28.0341, 17.2460**, and if you desaturate by 10%, it is **33.2468, 34.0939, 29.2934**.

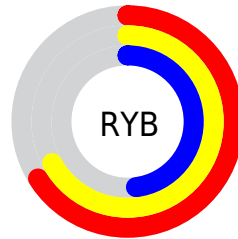
Distribution



Red (67%)

Green (58%)

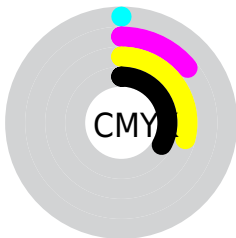
Blue (48%)



Red (66%)

Yellow (67%)

Blue (48%)

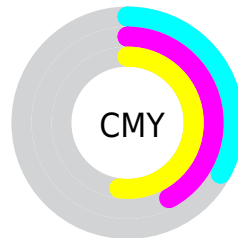


Cyan (0%)

Magenta (14%)

Yellow (29%)

Black (33%)



Cyan (33%)


Magenta (42%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7412, 30.9305, 22.7623 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 30.7412, 30.9305, 22.7623 by changing the saturation by 10% instead.


 30.7412, 30.9305,
22.7623


 30.7412, 30.9305,
22.7623

297.1925,
306.2180, 279.5840

 20.5527, 20.5459,
14.2144


 60.2110, 61.1306,
48.9210

 12.9080, 12.7925,
8.1295


 80.2230, 81.7150,
67.3689

 7.4418, 7.2858,
4.0890


 104.2403,
106.4681, 89.9538

 3.7887, 3.6415,
1.6743

132.6281,
135.7742, 117.0944

 1.5833, 1.4751,
0.3430

165.7519,
170.0179, 149.2092

 0.3815, 0.2711,
0.0000

203.9770,

 0.0000, 0.0000,

209.5835, 186.7167

0.0000

247.6687,
254.8554, 230.0355

■ 30.7412, 30.9305,
22.7623

■ 30.7412, 30.9305,
22.7623

■ 28.5185, 28.0341,
17.2460

■ 33.2468, 34.0939,
29.2934

■ 26.5646, 25.3926,
12.6906

■ 36.0438, 37.5277,
36.8858

■ 24.8674, 22.9990,
9.0397

■ 39.1435, 41.2403,
45.5853

■ 23.4131, 20.8443,
6.2304

■ 42.5556, 45.2387,
55.4346

■ 22.1859, 18.9186,
4.1918

■ 46.2895, 49.5294,
66.4739

■ 21.1681, 17.2111,
2.8406

■ 50.3541, 54.1188,
78.7415

■ 20.3286, 15.7057,
2.0261

■ 54.7580, 59.0130,
92.2742

■ 20.2237, 15.5161,
1.9290

■ 58.8910, 63.9706,
103.8514

■ 61.0653, 68.3191,
104.5762

Harmonies

Analogous

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



32.8287, 30.9305, 25.6082



30.7412, 30.9305, 22.7623



28.3964, 30.9305, 22.5802

Triad

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



30.7412, 30.9305, 22.7623



25.2132, 30.9305, 36.6656



32.5858, 30.9305, 44.0571

Complementary

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



30.7412, 30.9305, 22.7623



25.6554, 27.6350, 42.5102

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.



30.4239, 30.9305, 47.9212



30.7412, 30.9305, 22.7623



26.2160, 30.9305, 43.2867

Square

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



30.7412, 30.9305, 22.7623



25.2880, 30.9305, 30.0301



28.0955, 30.9305, 47.6218



33.9320, 30.9305, 37.6101

Rectangle

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



30.7412, 30.9305, 22.7623



27.0084, 30.9305, 23.9500



28.0955, 30.9305, 47.6218



31.9256, 30.9305, 45.7374

Sweetspot

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



30.7420, 30.9319, 22.7629



64.2866, 66.8876, 65.3271



28.9818, 24.6683, 30.6328



14.1711, 14.7154, 14.1141



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.



30.7420, 30.9319, 22.7629



52.6296, 52.2548, 34.6785



34.8706, 39.1892, 24.1391



8.3304, 8.6656, 8.4469



15.2985, 11.8025, 1.4718



0.4802, 0.4376, 0.0591

Inverse Universe

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



25.6554, 27.6350, 42.5102



42.1017, 45.4315, 75.5520



22.3366, 20.9973, 41.4039



7.8906, 8.3805, 10.1544



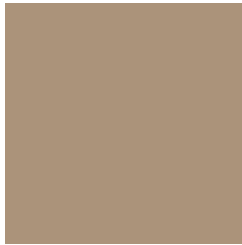
7.9688, 7.0714, 29.9894



0.2766, 0.3065, 0.8526

Previews

White Background



This preview shows how the XYZ color 30.7412, 30.9305, 22.7623 looks on a white background.

Color Contrast Check

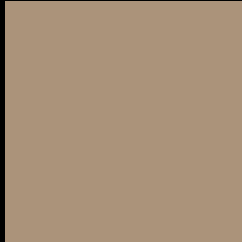
Large Text (above 18pt) WCAG AA × Fail

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 30.7412, 30.9305, 22.7623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

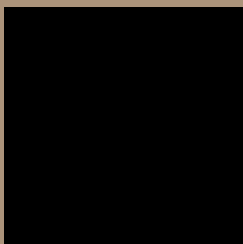
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

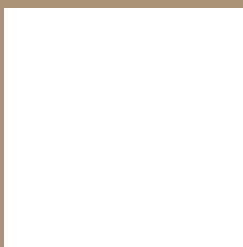
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7412, 30.9305, 22.7623

Background



This preview shows how black text looks on a background with the XYZ color 30.7412, 30.9305, 22.7623.



This preview shows how white text looks on a background with the XYZ color 30.7412, 30.9305,

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

30.7412, 30.9305, 22.7623

Protanopia

29.2019, 31.0620, 23.5252

Deuteranopia

31.5427, 30.8860, 22.7115



Tritanopia

33.3344, 31.0920, 34.8163

Trichromacy



Original Color

30.7412, 30.9305, 22.7623

Protanomaly

29.7913, 31.1353, 23.1784

Deuteranomaly

31.2473, 30.9616, 22.7416

Tritanomaly

32.3113, 30.8982, 29.8521

Monochromacy



Original Color

30.7412, 30.9305, 22.7623

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7405, 30.9752, 29.2223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7412, 30.9305, 22.7623 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(171, 147, 122)` looks like.

```
.text, #text, p{  
    color:rgb(171, 147, 122)  
}
```

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(171, 147, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 147, 122) }
```

Border

The CSS property to change the border of an element to XYZ 30.7412, 30.9305, 22.7623 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(171, 147, 122) }
```


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

```
.border{ border-color:rgb(171, 147, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 147, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 147, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 147, 122);  
box-shadow:4px 4px 4px 4px rgb(171, 147,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7412, 30.9305, 22.7623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 147, 122) }
```

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

```
.background{ background-color: rgb(171,  
147, 122) }
```

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