

Converting Colors

XYZ(22.4673, 20.9813, 12.7632)

Have a look what the booklet for
XYZ(22.4673, 20.9813, 12.7632)
contains.

XYZ(22.4673, 20.9813, 12.7632)	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(22.4673, 20.9813,
12.7632)**

Conversions

Conversions Part 1

Format	Color
Hex	9E765B
RGB	158, 118, 91
RGB Percent	62%, 46%, 36%
CMY	0.3804, 0.5372, 0.6431
CMYK	0.00, 0.25, 0.42, 0.38
HSL	24°, 27%, 49%
HSV	24°, 42%, 62%
XYZ	22.4673, 20.9813, 12.7632
YIQ	126.8820, 32.5070, 0.0830

Conversions

Conversions Part 2

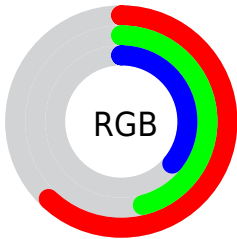
Format	Color
RYB	158, 136, 91
Decimal	10384987
CIELab	52.93, 12.05, 20.96
CIELCh	53, 24.177, 60.117
Yxy	20.9813, 0.3997, 0.3733
Android (android.graphics.Color)	4288575067 (0xFF9E765B)
YUV	126.8820, -17.6898, 27.2905
Hunter-Lab	45.8053, 7.3940, 15.5432

Details

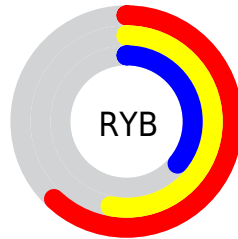
The XYZ color **22.4673, 20.9813, 12.7632** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.6019, 20.9246, 35.4061**, and the grayscale version is **20.1837, 21.2348, 23.1248**.

A 20% lighter version of the original color is **46.9140, 44.9687, 31.4065**, and **8.4895, 7.5730, 3.4969** is the 20% darker color. If you saturate the color by 10%, you get **20.8005, 18.6261, 9.1917**, and if you desaturate by 10%, it is **24.3897, 23.6181, 17.1284**.

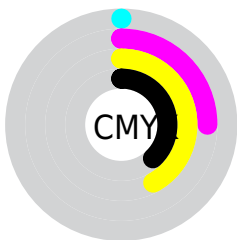
Distribution



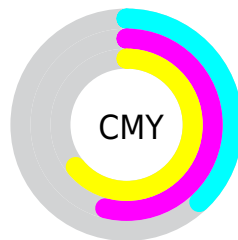
- Red (62%)
- Green (46%)
- Blue (36%)



- Red (62%)
- Yellow (53%)
- Blue (36%)



- Cyan (0%)
- Magenta (25%)
- Yellow (42%)
- Black (38%)




- Cyan (38%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4673, 20.9813, 12.7632 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 22.4673, 20.9813, 12.7632 by changing the saturation by 10% instead.


 22.4673, 20.9813,
12.7632


 22.4673, 20.9813,
12.7632


257.5637,
257.1791, 220.5487


 14.3192, 13.1103,
7.1369


 46.9903, 45.0564,
31.5626

 8.4262, 7.5046,
3.4681


 64.0958, 62.0293,
45.5728

 4.4229, 3.7796,
1.3383

 84.9179, 82.8051,
63.2147

 1.9441, 1.5511,
0.0929

 109.8219,
107.7679, 84.9069

 0.6023, 0.3243,
0.0000

139.1731,
137.3024, 111.0678

 0.0000, 0.0000,
0.0000

173.3369,

171.7928, 142.1160

212.6787,
211.6236, 178.4702

■ 22.4673, 20.9813,
12.7632

■ 22.4673, 20.9813,
12.7632

■ 20.8005, 18.6261,
9.1917

■ 24.3897, 23.6181,
17.1284

■ 19.3755, 16.5393,
6.3637

■ 26.5777, 26.5430,
22.3308

■ 18.1793, 14.7112,
4.2252

■ 29.0423, 29.7661,
28.4121

■ 17.1967, 13.1298,
2.7141

■ 31.7936, 33.2960,
35.4108

■ 16.4102, 11.7823,
1.7572

■ 34.8411, 37.1409,
43.3634

■ 15.9159, 10.8999,
1.2650

■ 38.1938, 41.3087,
52.3040

■ 41.8603, 45.8071,
62.2652

■ 45.8490, 50.6434,
73.2781

■ 50.1677, 55.8247,
85.3726

Harmonies

Analogous

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



24.4566, 20.9813, 16.5390



22.4673, 20.9813, 12.7632



19.9321, 20.9813, 11.5466

Triad

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



22.4673, 20.9813, 12.7632



15.4592, 20.9813, 22.8736



22.4860, 20.9813, 37.1521

Complementary

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



22.4673, 20.9813, 12.7632



18.6019, 20.9246, 35.4061

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.



19.9521, 20.9813, 39.8163



22.4673, 20.9813, 12.7632



16.0204, 20.9813, 30.5795

Square

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



22.4673, 20.9813, 12.7632



16.0118, 20.9813, 16.5788



17.6136, 20.9813, 37.1916



24.4680, 20.9813, 30.5195

Rectangle

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



22.4673, 20.9813, 12.7632



18.3141, 20.9813, 12.0948



17.6136, 20.9813, 37.1916



21.6638, 20.9813, 38.5971

Sweetspot

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



22.4678, 20.9823, 12.7636



52.3405, 53.5366, 50.5941



21.9520, 16.3956, 23.5517



11.5801, 11.7838, 10.8581



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.4678, 20.9823, 12.7636



37.8885, 33.9898, 16.9295



27.1038, 30.2543, 14.3090



6.8415, 7.0631, 6.9884



12.7838, 8.8031, 1.0254



0.2689, 0.2380, 0.0318

Inverse Universe

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



18.6019, 20.9246, 35.4061



29.8901, 33.8463, 63.7011



14.8258, 13.3724, 34.1474



6.5974, 7.0605, 8.4218



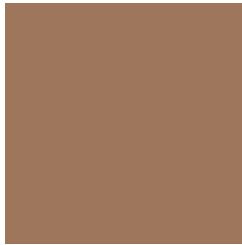
8.2107, 8.5129, 27.1176



0.1875, 0.2336, 0.4984

Previews

White Background



This preview shows how the XYZ color 22.4673, 20.9813, 12.7632 looks on a white background.

Color Contrast Check

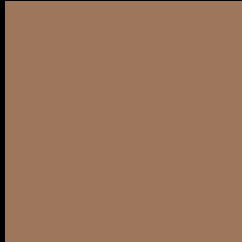
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4673, 20.9813, 12.7632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

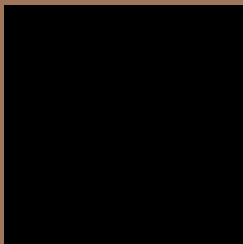
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4673, 20.9813, 12.7632

Background



This preview shows how black text looks on a background with the XYZ color 22.4673, 20.9813, 12.7632.



This preview shows how white text looks on a background with the XYZ color 22.4673, 20.9813,

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

22.4673, 20.9813, 12.7632

Protanopia

19.6798, 20.9822, 13.8392

Deuteranopia

21.2605, 20.8970, 12.5858



Tritanopia

24.2281, 21.0168, 21.1920

Trichromacy



Original Color

22.4673, 20.9813, 12.7632

Protanomaly

20.6049, 20.9034, 13.5384

Deuteranomaly

21.6988, 20.9434, 12.5717

Tritanomaly

23.4972, 20.8827, 17.8313

Monochromacy



Original Color

22.4673, 20.9813, 12.7632

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.7261, 21.0335, 18.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4673, 20.9813, 12.7632 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(158, 118, 91)` looks like.

```
.text, #text, p{  
    color:rgb(158, 118, 91)  
}
```

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(158, 118, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 118, 91) }
```

Border

The CSS property to change the border of an element to XYZ 22.4673, 20.9813, 12.7632 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(158, 118, 91) }
```


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

```
.border{ border-color:rgb(158, 118, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 118, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 118, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 118, 91);  
box-shadow:4px 4px 4px 4px rgb(158, 118,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4673, 20.9813, 12.7632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 118, 91) }
```

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

```
.background{ background-color: rgb(158,  
118, 91) }
```

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