

Converting Colors

XYZ(24.9044, 20.5950, 12.2359)

Have a look what the booklet for
XYZ(24.9044, 20.5950, 12.2359)
contains.

XYZ(24.8872, 20.5773, 12.3330)	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(24.8872, 20.5773,
12.3330)**

Conversions

Conversions Part 1

Format	Color
Hex	AF6C5A
RGB	175, 108, 90
RGB Percent	69%, 42%, 35%
CMY	0.3137, 0.5765, 0.6471
CMYK	0.00, 0.38, 0.49, 0.31
HSL	13°, 35%, 52%
HSV	13°, 49%, 69%
XYZ	24.8872, 20.5773, 12.3330
YIQ	125.9810, 45.7100, 8.6060

Conversions

Conversions Part 2

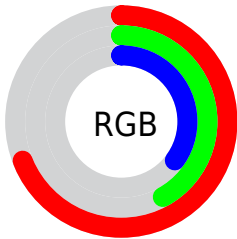
Format	Color
R_{YB}	175, 113, 90
Decimal	11496538
CIE _{Lab}	52.48, 24.69, 21.31
CIE _{LCh}	52, 32.611, 40.796
Yxy	20.5773, 0.4306, 0.3560
Android (android.graphics.Color)	4289686618 (0xFFAF6C5A)
YUV	125.9810, -17.7386, 42.9897
Hunter-Lab	45.3622, 18.5471, 15.6339

Details

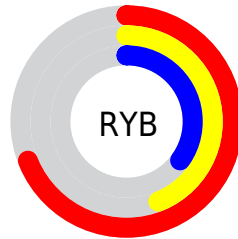
The XYZ color **24.8872, 20.5773, 12.3330** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.0106, 29.3812, 44.9629**, and the grayscale version is **19.8728, 20.9077, 22.7685**.

A 20% lighter version of the original color is **50.9087, 44.3587, 30.6898**, and **9.6263, 7.2317, 3.2714** is the 20% darker color. If you saturate the color by 10%, you get **22.8868, 17.6315, 8.4139**, and if you desaturate by 10%, it is **27.2942, 24.0556, 17.2532**.

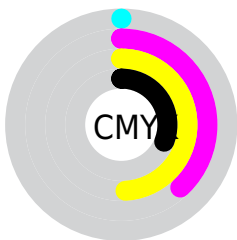
Distribution



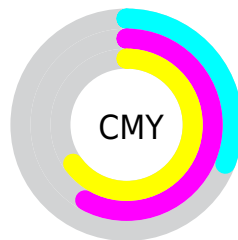
- Red (69%)
- Green (42%)
- Blue (35%)



- Red (69%)
- Yellow (44%)
- Blue (35%)



- Cyan (0%)
- Magenta (38%)
- Yellow (49%)
- Black (31%)




- Cyan (31%)
- Magenta (58%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8872, 20.5773, 12.3330 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 24.8872, 20.5773, 12.3330 by changing the saturation by 10% instead.


 24.8872, 20.5773,
12.3330


 24.8872, 20.5773,
12.3330


269.6337,
255.0235, 217.6531

 16.1213, 12.8154,
6.8456


 50.9184, 44.3830,
30.7736


 9.7014, 7.3015,
3.2887


 68.9144, 61.1955,
44.5638


 5.2622, 3.6514,
1.2439

 90.7178, 81.7937,
61.9588

 2.4382, 1.4805,
0.0151

 116.6940,
106.5620, 83.3770

 0.8642, 0.2750,
0.0000

 147.2084,
135.8847, 109.2370

 0.0000, 0.0000,
0.0000

182.6262,

170.1462, 139.9573

223.3129,
209.7310, 175.9565

■ 24.8872, 20.5773,
12.3330

■ 24.8872, 20.5773,
12.3330

■ 22.8868, 17.6315,
8.4139

■ 27.2942, 24.0556,
17.2532

■ 21.2681, 15.1886,
5.4253

■ 30.1276, 28.0881,
23.2360

■ 20.0059, 13.2206,
3.2892


■ 33.4077, 32.6988,
30.3396


■ 19.0709, 11.6954,
1.9142


■ 37.1531, 37.9096,
38.6172


■ 18.4196, 10.5730,
1.1418


■ 41.3814, 43.7411,
48.1190

 18.3428, 10.4413,
1.0486

 46.1089, 50.2129,
58.8921

 51.3516, 57.3439,
70.9810

 57.1245, 65.1519,
84.4282

 63.4421, 73.6544,
99.2743

Harmonies

Analogous

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



26.6415, 20.5773, 19.1047



24.8872, 20.5773, 12.3330



21.7687, 20.5773, 9.0489

Triad

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



24.8872, 20.5773, 12.3330



14.0531, 20.5773, 16.8367



20.7976, 20.5773, 46.0357

Complementary

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



24.8872, 20.5773, 12.3330



24.0106, 29.3812, 44.9629

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.



17.5025, 20.5773, 44.9065



24.8872, 20.5773, 12.3330



13.8567, 20.5773, 26.0655

Square

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



24.8872, 20.5773, 12.3330



15.6213, 20.5773, 11.0849



15.0498, 20.5773, 36.8549



24.1064, 20.5773, 39.6024

Rectangle

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



24.8872, 20.5773, 12.3330



19.4682, 20.5773, 8.4971



15.0498, 20.5773, 36.8549



19.6483, 20.5773, 46.5659

Sweetspot

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



24.8877, 20.5783, 12.3334



61.9598, 61.5323, 59.0093



27.5069, 18.8950, 34.5450



13.4738, 13.2614, 12.4616



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.8877, 20.5783, 12.3334



40.8508, 31.3706, 14.8047



30.3513, 31.5056, 14.1546



8.1376, 8.2801, 8.3827



13.1736, 7.5527, 0.7635



0.4050, 0.2871, 0.0341

Inverse Universe

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



24.0106, 29.3812, 44.9629



39.0499, 48.8716, 80.0119



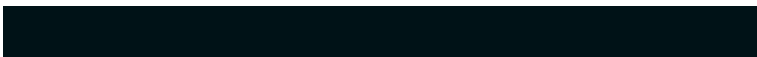
18.1424, 17.6448, 43.0068



8.0902, 8.7797, 10.2210



12.0885, 15.3109, 31.3627



0.3719, 0.4972, 0.8843

Previews

White Background



This preview shows how the XYZ color 24.8872, 20.5773, 12.3330 looks on a white background.

Color Contrast Check

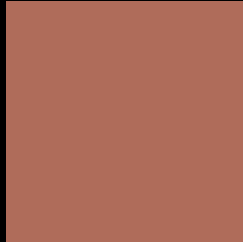
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8872, 20.5773, 12.3330 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 24.8872, 20.5773, 12.3330

Background



This preview shows how black text looks on a background with the XYZ color 24.8872, 20.5773, 12.3330.



This preview shows how white text looks on a background with the XYZ color 24.8872, 20.5773,

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

24.8872, 20.5773, 12.3330

Protanopia

19.3697, 20.6174, 14.5139

Deuteranopia

21.0556, 20.6216, 12.1031



Tritanopia

26.1637, 20.6425, 18.2282

Trichromacy



Original Color

24.8872, 20.5773, 12.3330

Protanomaly

21.0568, 20.4094, 13.6561

Deuteranomaly

22.3466, 20.5830, 12.2463

Tritanomaly

25.6083, 20.5581, 15.9830

Monochromacy



Original Color

24.8872, 20.5773, 12.3330

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.0791, 20.3152, 18.4330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8872, 20.5773, 12.3330 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(175, 108, 90)` looks like.

```
.text, #text, p{  
    color:rgb(175, 108, 90)  
}
```

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(175, 108, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 108, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.8872, 20.5773, 12.3330 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(175, 108, 90) }
```


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

```
.border{ border-color:rgb(175, 108, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 108, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 108, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 108, 90);  
box-shadow:4px 4px 4px 4px rgb(175, 108,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8872, 20.5773, 12.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 108, 90) }
```

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

```
.background{ background-color: rgb(175,  
108, 90) }
```

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