

Converting Colors

XYZ(24.7638, 24.6136, 21.8778)

Have a look what the booklet for
XYZ(24.7638, 24.6136, 21.8778)
contains.

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Color

**XYZ(24.7130, 24.5831,
21.8548)**

Conversions

Conversions Part 1

Format	Color
Hex	98847A
RGB	152, 132, 122
RGB Percent	60%, 52%, 48%
CMY	0.4039, 0.4823, 0.5216
CMYK	0.00, 0.13, 0.20, 0.40
HSL	20°, 13%, 54%
HSV	20°, 20%, 60%
XYZ	24.7130, 24.5831, 21.8548
YIQ	136.8400, 15.1300, 1.1300

Conversions

Conversions Part 2

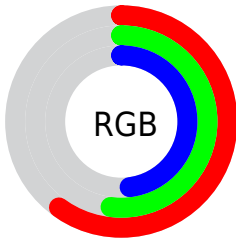
Format	Color
R_{YB}	152, 137, 122
Decimal	9995386
CIE Lab	56.67, 5.91, 8.19
CIE LCh	57, 10.097, 54.181
Yxy	24.5831, 0.3473, 0.3455
Android (android.graphics.Color)	4288185466 (0xFF98847A)
YUV	136.8400, -7.3161, 13.2953
Hunter-Lab	49.5813, 2.2030, 8.5727

Details

The XYZ color **24.7130, 24.5831, 21.8548** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.3663, 25.7498, 33.4446**, and the grayscale version is **23.7407, 24.9771, 27.2001**.

A 20% lighter version of the original color is **50.7211, 51.0193, 47.2188**, and **9.6627, 9.4343, 7.6150** is the 20% darker color. If you saturate the color by 10%, you get **22.5362, 21.6205, 16.8404**, and if you desaturate by 10%, it is **27.1719, 27.8737, 27.6906**.

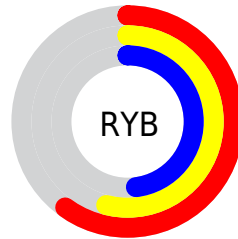
Distribution



Red (60%)

Green (52%)

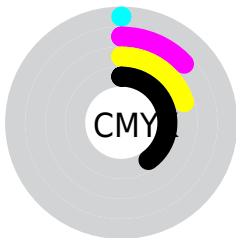
Blue (48%)



Red (60%)

Yellow (54%)

Blue (48%)

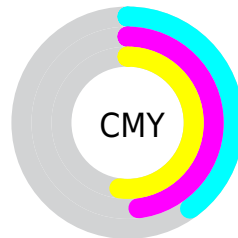


Cyan (0%)

Magenta (13%)

Yellow (20%)

Black (40%)



Cyan (40%)

Magenta (48%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7130, 24.5831, 21.8548 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 24.7130, 24.5831, 21.8548 by changing the saturation by 10% instead.

■ 24.7130, 24.5831,
21.8548

■ 24.7130, 24.5831,
21.8548

268.7797,
275.7553, 274.7158

■ 15.9909, 15.7667,
13.5530

■ 50.6375, 50.9801,
47.4050

■ 9.6086, 9.3592,
7.6752

■ 68.5707, 69.3295,
65.4904

■ 5.2005, 4.9762,
3.8031

■ 90.3049, 91.6253,
87.6742

■ 2.4013, 2.2333,
1.5179

116.2056,
118.2520, 114.3747

■ 0.8458, 0.7381,
0.2312

146.6380,
149.5940, 146.0106

■ 0.0000, 0.0000,
0.0000

181.9676,

186.0356, 183.0004

222.5597,
227.9613, 225.7626

■ 24.7130, 24.5831,
21.8548

■ 24.7130, 24.5831,
21.8548

■ 22.5362, 21.6205,
16.8404

■ 27.1719, 27.8737,
27.6906

■ 20.6289, 18.9724,
12.6087

■ 29.9210, 31.4989,
34.3811

■ 18.9805, 16.6289,
9.1201

■ 32.9704, 35.4692,
41.9597

■ 17.5787, 14.5786,
6.3307

■ 36.3292, 39.7935,
50.4574

■ 16.4103, 12.8091,
4.1923

■ 40.0060, 44.4805,
59.9038

■ 15.4605, 11.3071,
2.6502

■ 44.0092, 49.5387,
70.3271

■ 14.7127, 10.0579,
1.6406

■ 48.3467, 54.9759,
81.7543

■ 14.1328, 9.0397,
1.0115

■ 53.0262, 60.8002,
94.2116

■ 14.1190, 9.0155,
0.9960

■ 57.4372, 66.7718,
104.4687

Harmonies

Analogous

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



25.4881, 24.5831, 24.2026



24.7130, 24.5831, 21.8548



23.5953, 24.5831, 20.8311

Triad

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



24.7130, 24.5831, 21.8548



21.1888, 24.5831, 26.1160



24.3034, 24.5831, 33.1151

Complementary

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



24.7130, 24.5831, 21.8548



23.3663, 25.7498, 33.4446

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.



23.1371, 24.5831, 33.7348



24.7130, 24.5831, 21.8548



21.3642, 24.5831, 29.5061

Square

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



24.7130, 24.5831, 21.8548



21.5807, 24.5831, 23.1554



22.0679, 24.5831, 32.3647



25.2461, 24.5831, 30.7355

Rectangle

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



24.7130, 24.5831, 21.8548



22.8163, 24.5831, 20.9701



22.0679, 24.5831, 32.3647



23.9235, 24.5831, 33.5440

Sweetspot

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



24.7137, 24.5842, 21.8553



49.6573, 51.4467, 52.9737



24.7911, 22.5477, 28.6369



11.2232, 11.6095, 11.8869



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.7137, 24.5842, 21.8553



41.7432, 40.8483, 34.2129



26.8956, 28.9481, 22.5826



6.3687, 6.5425, 6.5330



11.8646, 7.6115, 0.8438



0.2085, 0.1760, 0.0230

Inverse Universe

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



23.3663, 25.7498, 33.4446



38.8895, 43.3125, 58.7441



21.2832, 21.5836, 32.7502



6.2110, 6.6793, 7.8909



8.7091, 9.8148, 26.3431



0.1633, 0.2129, 0.4049

Previews

White Background



This preview shows how the XYZ color 24.7130, 24.5831, 21.8548 looks on a white background.

Color Contrast Check

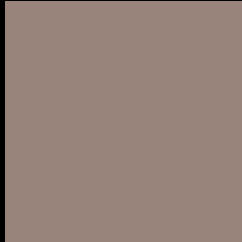
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7130, 24.5831, 21.8548 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 24.7130, 24.5831, 21.8548

Background



This preview shows how black text looks on a background with the XYZ color 24.7130, 24.5831, 21.8548.



This preview shows how white text looks on a background with the XYZ color 24.7130, 24.5831,

21.8548.

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

24.7130, 24.5831, 21.8548

Protanopia

23.4268, 24.7263, 22.6067

Deuteranopia

24.9556, 24.5078, 21.8275



Tritanopia

25.9103, 24.4640, 28.1673

Trichromacy



Original Color

24.7130, 24.5831, 21.8548

Protanomaly

23.9162, 24.7777, 22.2610

Deuteranomaly

24.7660, 24.4100, 21.8187

Tritanomaly

25.3531, 24.4310, 25.5697

Monochromacy



Original Color

24.7130, 24.5831, 21.8548

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.9842, 24.7447, 25.3419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7130, 24.5831, 21.8548 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(152, 132, 122)` looks like.

```
.text, #text, p{  
    color:rgb(152, 132, 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(152, 132, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 132, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.7130, 24.5831, 21.8548 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(152, 132, 122) }
```


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

```
.border{ border-color:rgb(152, 132, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 132, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 132, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 132, 122);  
box-shadow:4px 4px 4px 4px rgb(152, 132,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7130, 24.5831, 21.8548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 132, 122) }
```

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

```
.background{ background-color: rgb(152,  
132, 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](#).

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