

Converting Colors

XYZ(25.5129, 24.7761, 21.9252)

Have a look what the booklet for
XYZ(25.5129, 24.7761, 21.9252)
contains.

XYZ(25.5338, 24.8058, 21.8546)	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(25.5338, 24.8058,
21.8546)**

Conversions

Conversions Part 1

Format	Color
Hex	9D837A
RGB	157, 131, 122
RGB Percent	62%, 51%, 48%
CMY	0.3843, 0.4863, 0.5216
CMYK	0.00, 0.17, 0.22, 0.38
HSL	15°, 15%, 55%
HSV	15°, 22%, 62%
XYZ	25.5338, 24.8058, 21.8546
YIQ	137.7480, 18.3850, 2.7130

Conversions

Conversions Part 2

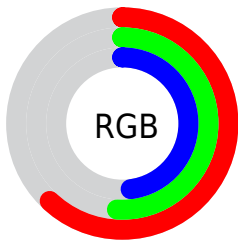
Format	Color
R_{YB}	157, 134, 122
Decimal	10322810
CIE Lab	56.89, 8.46, 8.56
CIE LCh	57, 12.039, 45.350
Yxy	24.8058, 0.3537, 0.3436
Android (android.graphics.Color)	4288512890 (0xFF9D837A)
YUV	137.7480, -7.7638, 16.8840
Hunter-Lab	49.8054, 4.3523, 8.8474

Details

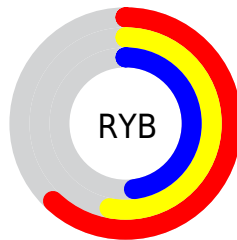
The XYZ color **25.5338, 24.8058, 21.8546** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.7016, 27.7512, 35.9532**, and the grayscale version is **24.0857, 25.3400, 27.5953**.

A 20% lighter version of the original color is **51.9318, 51.3340, 47.2158**, and **10.0456, 9.5189, 7.6112** is the 20% darker color. If you saturate the color by 10%, you get **23.1596, 21.4903, 16.6453**, and if you desaturate by 10%, it is **28.2429, 28.5391, 27.9515**.

Distribution



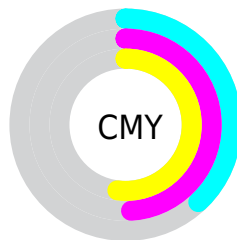
- Red (62%)
- Green (51%)
- Blue (48%)



- Red (62%)
- Yellow (53%)
- Blue (48%)



- Cyan (0%)
- Magenta (17%)
- Yellow (22%)
- Black (38%)



- Cyan (38%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5338, 24.8058, 21.8546 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 25.5338, 24.8058, 21.8546 by changing the saturation by 10% instead.

■ 25.5338, 24.8058,
21.8546

■ 25.5338, 24.8058,
21.8546

272.7848,
276.8694, 274.7147

■ 16.6060, 15.9324,
13.5528

■ 51.9586, 51.3420,
47.4047

■ 10.0476, 9.4764,
7.6751

■ 70.1863, 69.7736,
65.4900

■ 5.4930, 5.0532,
3.8030

■ 92.2447, 92.1601,
87.6737

■ 2.5770, 2.2785,
1.5179

118.4992,
118.8859, 114.3741

■ 0.9343, 0.7623,
0.2312

149.3151,
150.3353, 146.0099

■ 0.0000, 0.0000,
0.0000

185.0578,

186.8927, 182.9995

226.0926,
228.9427, 225.7616

■ 25.5338, 24.8058,
21.8546

■ 25.5338, 24.8058,
21.8546

■ 23.1596, 21.4903,
16.6453

■ 28.2429, 28.5391,
27.9515

■ 21.1048, 18.5744,
12.2804

■ 31.2974, 32.7007,
34.9733

■ 19.3559, 16.0440,
8.7155

■ 34.7099, 37.3049,
42.9571

■ 17.8975, 13.8822,
5.9013

■ 38.4917, 42.3644,
51.9375

■ 16.7126, 12.0714,
3.7831

■ 42.6536, 47.8914,
61.9472

■ 15.7825, 10.5921,
2.2988

■ 47.2060, 53.8975,
73.0176

■ 15.0857, 9.4228,
1.3747

■ 52.1589, 60.3941,
85.1788

■ 14.6765, 8.7118,
0.9080

■ 57.5218, 67.3919,
98.4594

■ 61.9383, 74.3553,
105.6953

Harmonies

Analogous

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



26.2888, 24.8058, 25.0060



25.5338, 24.8058, 21.8546



24.2693, 24.8058, 20.1736

Triad

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



25.5338, 24.8058, 21.8546



21.0508, 24.8058, 25.0932



24.3020, 24.8058, 35.2080

Complementary

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



25.5338, 24.8058, 21.8546



24.7016, 27.7512, 35.9532

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.



22.8983, 24.8058, 35.2373



25.5338, 24.8058, 21.8546



21.0587, 24.8058, 29.1168

Square

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



25.5338, 24.8058, 21.8546



21.7009, 24.8058, 21.9129



21.7231, 24.8058, 32.9168



25.5585, 24.8058, 32.8402

Rectangle

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



25.5338, 24.8058, 21.8546



23.3253, 24.8058, 19.9942



21.7231, 24.8058, 32.9168



23.8308, 24.8058, 35.4989

Sweetspot

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



25.5345, 24.8069, 21.8551



53.3225, 54.8568, 56.3329



26.2296, 23.2336, 31.2232



11.6700, 11.9847, 12.2503



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.



25.5345, 24.8069, 21.8551



43.4330, 41.2303, 34.0694



28.0469, 29.8319, 22.6926



6.7649, 6.9098, 6.9628



11.9463, 7.1283, 0.7463



0.2446, 0.1895, 0.0237

Inverse Universe

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



24.7016, 27.7512, 35.9532



41.6561, 47.4960, 64.0989



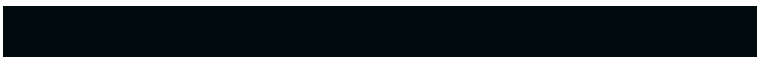
22.1949, 22.7378, 35.1176



6.6773, 7.2204, 8.4484



10.1039, 12.2994, 27.7487



0.2123, 0.2831, 0.5067

Previews

White Background



This preview shows how the XYZ color 25.5338, 24.8058, 21.8546 looks on a white background.

Color Contrast Check

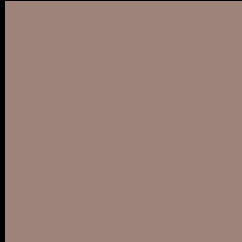
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5338, 24.8058, 21.8546 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 25.5338, 24.8058, 21.8546

Background



This preview shows how black text looks on a background with the XYZ color 25.5338, 24.8058, 21.8546.



This preview shows how white text looks on a background with the XYZ color 25.5338, 24.8058,

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

25.5338, 24.8058, 21.8546

Protanopia

23.6612, 24.8398, 22.9495

Deuteranopia

25.2817, 24.8762, 21.8815



Tritanopia

26.8085, 24.9355, 27.8262

Trichromacy



Original Color

25.5338, 24.8058, 21.8546

Protanomaly

24.1958, 24.7085, 22.5627

Deuteranomaly

25.4744, 24.9756, 21.8905

Tritanomaly

26.3168, 24.9278, 25.6148

Monochromacy



Original Color

25.5338, 24.8058, 21.8546

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.5059, 25.0136, 25.3663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5338, 24.8058, 21.8546 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, 131, 122)` looks like.

```
.text, #text, p{  
    color:rgb(157, 131, 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(157, 131, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 131, 122) }
```

Border

The CSS property to change the border of an element to XYZ 25.5338, 24.8058, 21.8546 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, 131, 122) }
```


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

```
.border{ border-color:rgb(157, 131, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 131, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 131, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 131, 122);  
box-shadow:4px 4px 4px 4px rgb(157, 131,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5338, 24.8058, 21.8546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 131, 122) }
```

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

```
.background{ background-color: rgb(157,  
131, 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