

# Converting Colors

XYZ(25.4160, 24.4343, 22.2683)

Have a look what the booklet for  
XYZ(25.4160, 24.4343, 22.2683)  
contains.

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# Color

**XYZ(25.3300, 24.2987,  
22.0940)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D817B
RGB	157, 129, 123
RGB Percent	62%, 51%, 48%
CMY	0.3843, 0.4941, 0.5176
CMYK	0.00, 0.18, 0.22, 0.38
HSL	11°, 15%, 55%
HSV	11°, 22%, 62%
XYZ	25.3300, 24.2987, 22.0940
YIQ	136.6880, 18.6140, 4.0700

# Conversions

## Conversions Part 2

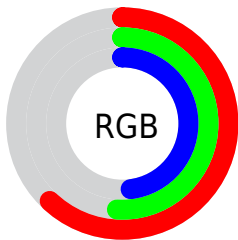
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 130, 123
Decimal	10322299
CIE <sub>Lab</sub>	56.39, 9.76, 7.28
CIE <sub>LCh</sub>	56, 12.170, 36.719
Yxy	24.2987, 0.3532, 0.3388
Android (android.graphics.Color)	4288512379 (0xFF9D817B)
YUV	136.6880, -6.7482, 17.8136
Hunter-Lab	49.2937, 5.4598, 7.9311

# Details

The XYZ color **25.3300, 24.2987, 22.0940** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.3204, 28.7776, 36.1184**, and the grayscale version is **23.6804, 24.9136, 27.1309**.

A 20% lighter version of the original color is **51.6172, 50.5481, 47.5937**, and **9.9304, 9.2350, 7.7377** is the 20% darker color. If you saturate the color by 10%, you get **22.8285, 20.7444, 16.7940**, and if you desaturate by 10%, it is **28.2059, 28.3492, 28.2971**.

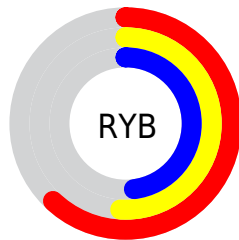
# Distribution



Red (62%)

Green (51%)

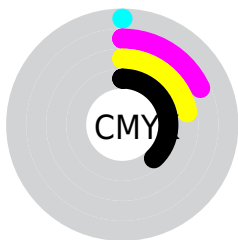
Blue (48%)



Red (62%)

Yellow (51%)

Blue (48%)

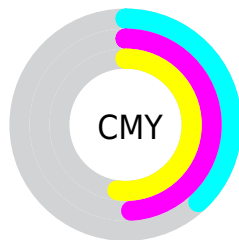


Cyan (0%)

Magenta (18%)

Yellow (22%)

Black (38%)



Cyan (38%)

Magenta (49%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3300, 24.2987, 22.0940 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 25.3300, 24.2987, 22.0940 by changing the saturation by 10% instead.



■ 25.3300, 24.2987,  
22.0940

■ 25.3300, 24.2987,  
22.0940

271.7948,  
274.3271, 276.0063

■ 16.4531, 15.5553,  
13.7270

■ 51.6311, 50.5172,  
47.8055

■ 9.9382, 9.2101,  
7.7945

■ 69.7861, 68.7611,  
65.9871

■ 5.4200, 4.8784,  
3.8778

■ 91.7644, 90.9407,  
88.2773

■ 2.5330, 2.1761,  
1.5586

117.9316,  
117.4403, 115.0946

■ 0.9119, 0.7069,  
0.2610

148.6528,  
148.6444, 146.8576

■ 0.0000, 0.0000,  
0.0000

184.2935,

184.9373, 183.9849

225.2191,  
226.7034, 226.8949

■ 25.3300, 24.2987,  
22.0940

■ 25.3300, 24.2987,  
22.0940

■ 22.8285, 20.7444,  
16.7940

■ 28.2059, 28.3492,  
28.2971

■ 20.6840, 17.6639,  
12.3533

■ 31.4689, 32.9107,  
35.4411

■ 18.8805, 15.0381,  
8.7270

■ 35.1334, 38.0012,  
43.5636

■ 17.4000, 12.8453,  
5.8652

■ 39.2125, 43.6371,  
52.6997

■ 16.2228, 11.0618,  
3.7127

■ 43.7189, 49.8339,  
62.8826

■ 15.3270, 9.6618,  
2.2066

■ 48.6643, 56.6066,  
74.1441

■ 14.6874, 8.6164,  
1.2732

■ 54.0605, 63.9696,  
86.5148

■ 14.3133, 7.9854,  
0.7869

■ 59.9184, 71.9369,  
100.0238

■ 64.7146, 79.9080,  
106.6207

# Harmonies

## Analogous

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



25.8846, 24.2987, 25.5619



25.3300, 24.2987, 22.0940



24.1799, 24.2987, 19.9651

# Triad

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



25.3300, 24.2987, 22.0940



20.7005, 24.2987, 23.5143



23.4128, 24.2987, 34.9126

# Complementary

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



25.3300, 24.2987, 22.0940



25.3204, 28.7776, 36.1184

# 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.



22.0434, 24.2987, 34.2230



25.3300, 24.2987, 22.0940



20.5138, 24.2987, 27.3731

# Square

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



25.3300, 24.2987, 22.0940



21.5167, 24.2987, 20.7252



20.9958, 24.2987, 31.3599



24.7490, 24.2987, 33.1591



# Rectangle

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



25.3300, 24.2987, 22.0940



23.2502, 24.2987, 19.4576



20.9958, 24.2987, 31.3599



22.9408, 24.2987, 34.9613

# Sweetspot

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



25.3307, 24.2998, 22.0945



53.6639, 55.1810, 57.5525



26.6008, 23.5795, 32.5697



11.7326, 12.0362, 12.4980



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.



25.3307, 24.2998, 22.0945



43.1118, 40.3249, 34.7724



27.7075, 29.0534, 22.8868



6.7231, 6.8262, 6.9489



11.6453, 6.5262, 0.6459



0.2312, 0.1627, 0.0192



# Inverse Universe

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



25.3204, 28.7776, 36.1184



43.0875, 49.8019, 64.4685



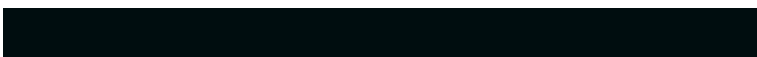
22.8257, 23.7880, 35.2868



6.7222, 7.3101, 8.4634



11.3726, 14.8367, 28.1716



0.2272, 0.3130, 0.5117



# Previews

## White Background



This preview shows how the XYZ color 25.3300, 24.2987, 22.0940 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 25.3300, 24.2987, 22.0940 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 25.3300, 24.2987, 22.0940**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.3300, 24.2987, 22.0940.



This preview shows how white text looks on a background with the XYZ color 25.3300, 24.2987,



# 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

25.3300, 24.2987, 22.0940

### Protanopia

23.2451, 24.4098, 23.2251

### Deuteranopia

24.8283, 24.4350, 22.1467



## Tritanopia

26.4028, 24.3558, 26.9765

# Trichromacy



## Original Color

25.3300, 24.2987, 22.0940

## Protanomaly

23.9433, 24.3667, 22.8433

## Deuteranomaly

24.8842, 24.2653, 22.1110

## Tritanomaly

25.9846, 24.3734, 25.1648

# Monochromacy



## Original Color

25.3300, 24.2987, 22.0940

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

24.1916, 24.6454, 25.3118

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.3300, 24.2987, 22.0940 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, 129, 123)` looks like.

```
.text, #text, p{  
    color:rgb(157, 129, 123)  
}
```

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, 129, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 129, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 25.3300, 24.2987, 22.0940 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, 129, 123) }
```



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

```
.border{ border-color:rgb(157, 129, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 129, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 129, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 129, 123);  
box-shadow:4px 4px 4px 4px rgb(157, 129,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.3300, 24.2987, 22.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 129, 123) }
```

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

```
.background{ background-color: rgb(157,  
129, 123) }
```

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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