

# Converting Colors

XYZ(24.1904, 22.5432, 18.2126)

Have a look what the booklet for  
XYZ(24.1904, 22.5432, 18.2126)  
contains.

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# Color

**XYZ(24.1269, 22.4377,  
18.0982)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F7A6F
RGB	159, 122, 111
RGB Percent	62%, 48%, 44%
CMY	0.3765, 0.5216, 0.5647
CMYK	0.00, 0.23, 0.30, 0.38
HSL	14°, 20%, 53%
HSV	14°, 30%, 62%
XYZ	24.1269, 22.4377, 18.0982
YIQ	131.8090, 25.5830, 4.4230

# Conversions

## Conversions Part 2

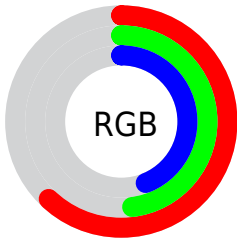
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 125, 111
Decimal	10451567
CIE <sub>Lab</sub>	54.49, 12.76, 11.57
CIE <sub>LCh</sub>	54, 17.219, 42.199
Yxy	22.4377, 0.3731, 0.3470
Android (android.graphics.Color)	4288641647 (0xFF9F7A6F)
YUV	131.8090, -10.2588, 23.8465
Hunter-Lab	47.3684, 8.0234, 10.5048

# Details

The XYZ color **24.1269, 22.4377, 18.0982** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.4032, 27.0618, 36.7911**, and the grayscale version is **21.8932, 23.0333, 25.0833**.

A 20% lighter version of the original color is **49.9652, 47.7514, 41.2338**, and **9.2236, 8.1881, 5.7970** is the 20% darker color. If you saturate the color by 10%, you get **21.9172, 19.2968, 13.4200**, and if you desaturate by 10%, it is **26.6835, 26.0227, 23.6614**.

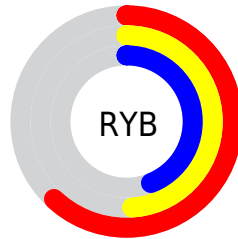
# Distribution



Red (62%)

Green (48%)

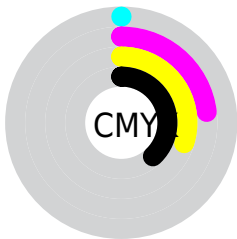
Blue (44%)



Red (62%)

Yellow (49%)

Blue (44%)

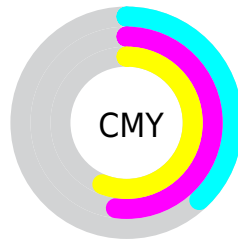


Cyan (0%)

Magenta (23%)

Yellow (30%)

Black (38%)



Cyan (38%)

Magenta (52%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1269, 22.4377, 18.0982 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 24.1269, 22.4377, 18.0982 by changing the saturation by 10% instead.




 24.1269, 22.4377,  
18.0982


 24.1269, 22.4377,  
18.0982


265.8900,  
264.8236, 253.6786


 15.5530, 14.1789,  
10.8503


 49.6904, 47.4684,  
41.0208


 9.2973, 8.2452,  
5.8534


 67.4107, 65.0090,  
57.5326

 4.9942, 4.2522,  
2.6888

 88.9105, 86.4123,  
77.9695

 2.2786, 1.8156,  
0.9378

 114.5552,  
112.0628, 102.7499

 0.7837, 0.4969,  
0.0000

144.7102,  
142.3447, 132.2925

 0.0000, 0.0000,  
0.0000

179.7407,

177.6426, 167.0158

220.0122,  
218.3408, 207.3384

■ 24.1269, 22.4377,  
18.0982

■ 24.1269, 22.4377,  
18.0982

■ 21.9172, 19.2968,  
13.4200

■ 26.6835, 26.0227,  
23.6614

■ 20.0372, 16.5793,  
9.5796

■ 29.5994, 30.0649,  
30.1507

■ 18.4711, 14.2678,  
6.5273


■ 32.8888, 34.5810,  
37.6064


■ 17.2008, 12.3423,  
4.2076

■ 36.5645, 39.5857,  
46.0660


■ 16.2064, 10.7811,  
2.5580


■ 40.6387, 45.0933,  
55.5649


 15.4651, 9.5600,  
1.5049

 45.1229, 51.1173,  
66.1368

 14.9427, 8.6600,  
0.8840

 50.0283, 57.6708,  
77.8140

 55.3656, 64.7664,  
90.6272

 61.1453, 72.4162,  
104.6061

# Harmonies

## Analogous

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



25.0704, 22.4377, 22.3015



24.1269, 22.4377, 18.0982



22.4542, 22.4377, 15.8173

# Triad

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



24.1269, 22.4377, 18.0982



18.0569, 22.4377, 21.3917



22.1018, 22.4377, 36.0515

# Complementary

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



24.1269, 22.4377, 18.0982



23.4032, 27.0618, 36.7911

# 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.



20.2370, 22.4377, 35.7121



24.1269, 22.4377, 18.0982



17.9749, 22.4377, 26.6916

# Square

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



24.1269, 22.4377, 18.0982



18.9823, 22.4377, 17.5171



18.7514, 22.4377, 32.0912



23.8559, 22.4377, 32.9596



# Rectangle

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



24.1269, 22.4377, 18.0982



21.1875, 22.4377, 15.4538



18.7514, 22.4377, 32.0912



21.4658, 22.4377, 36.3463

# Sweetspot

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



24.1275, 22.4387, 18.0987



53.5778, 54.6266, 55.2748



25.3757, 20.8973, 30.9630



11.9052, 12.0758, 12.0708



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.



24.1275, 22.4387, 18.0987



40.5696, 36.4419, 26.7945



27.3542, 28.8921, 19.1742



6.7503, 6.8807, 6.9580



11.8296, 6.8948, 0.7073



0.2400, 0.1802, 0.0221



# Inverse Universe

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



23.4032, 27.0618, 36.7911



39.0597, 46.0168, 65.5669



20.0969, 20.4492, 35.6890



6.6928, 7.2514, 8.4536



10.5258, 13.1431, 27.8893



0.2174, 0.2933, 0.5084



# Previews

## White Background



This preview shows how the XYZ color 24.1269, 22.4377, 18.0982 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 24.1269, 22.4377, 18.0982 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 24.1269, 22.4377, 18.0982**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1269, 22.4377, 18.0982.



This preview shows how white text looks on a background with the XYZ color 24.1269, 22.4377,



# 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

24.1269, 22.4377, 18.0982

### Protanopia

21.2305, 22.4373, 19.4315

### Deuteranopia

22.8530, 22.5315, 17.8964



## Tritanopia

25.2572, 22.3557, 23.7528

# Trichromacy



## Original Color

24.1269, 22.4377, 18.0982

## Protanomaly

22.1282, 22.3229, 19.0621

## Deuteranomaly

23.2850, 22.5653, 17.8801

## Tritanomaly

24.7265, 22.3117, 21.4157

# Monochromacy



## Original Color

24.1269, 22.4377, 18.0982

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

22.5126, 22.6444, 22.2530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1269, 22.4377, 18.0982 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(159, 122, 111)` looks like.

```
.text, #text, p{  
    color:rgb(159, 122, 111)  
}
```

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(159, 122, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 122, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1269, 22.4377, 18.0982 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(159, 122, 111) }
```



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

```
.border{ border-color:rgb(159, 122, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 122, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 122, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 122, 111);  
box-shadow:4px 4px 4px 4px rgb(159, 122,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1269, 22.4377, 18.0982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 122, 111) }
```

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

```
.background{ background-color: rgb(159,  
122, 111) }
```

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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