

Converting Colors

XYZ(49.9895, 43.7472, 24.4294)

Have a look what the booklet for
XYZ(49.9895, 43.7472, 24.4294)
contains.

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Color

**XYZ(49.9050, 43.7188,
24.5472)**

Conversions

Conversions Part 1

Format	Color
Hex	EA9F7B
RGB	234, 159, 123
RGB Percent	92%, 62%, 48%
CMY	0.0824, 0.3764, 0.5176
CMYK	0.00, 0.32, 0.47, 0.08
HSL	19°, 73%, 70%
HSV	19°, 47%, 92%
XYZ	49.9050, 43.7188, 24.5472
YIQ	177.3210, 56.2560, 4.7040

Conversions

Conversions Part 2

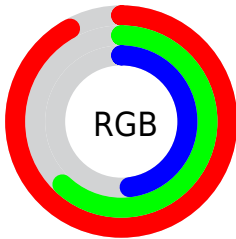
Format	Color
R _Y B	234, 176, 123
Decimal	15376251
CIE Lab	72.04, 23.89, 30.07
CIE LCh	72, 38.403, 51.535
Yxy	43.7188, 0.4223, 0.3700
Android (android.graphics.Color)	4293566331 (0xFFEA9F7B)
YUV	177.3210, -26.7803, 49.7075
Hunter-Lab	66.1202, 19.0147, 24.2727

Details

The XYZ color **49.9050, 43.7188, 24.5472** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.2128, 50.5374, 85.3188**, and the grayscale version is **42.0755, 44.2667, 48.2065**.

A 20% lighter version of the original color is **73.1230, 72.4877, 51.2118**, and **24.1729, 20.1238, 9.0888** is the 20% darker color. If you saturate the color by 10%, you get **46.0646, 38.1088, 16.8836**, and if you desaturate by 10%, it is **54.4454, 50.1686, 34.1721**.

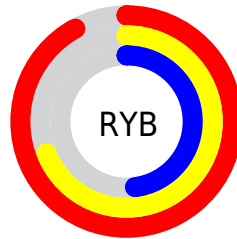
Distribution



Red (92%)

Green (62%)

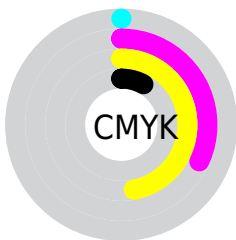
Blue (48%)



Red (92%)

Yellow (69%)

Blue (48%)

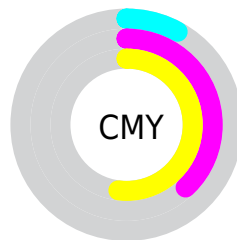


Cyan (0%)

Magenta (32%)

Yellow (47%)

Black (8%)



Cyan (8%)


Magenta (38%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9050, 43.7188, 24.5472 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 49.9050, 43.7188, 24.5472 by changing the saturation by 10% instead.


 49.9050, 43.7188,
24.5472


 49.9050, 43.7188,
24.5472


376.7525,
361.5595, 288.9505


 35.5554, 30.4495,
15.5241


 89.2268, 80.7944,
51.8767

 24.2595, 20.1800,
9.0373


 114.9297,
105.3696, 71.0201

 15.6520, 12.5260,
4.6684


 145.1477,
134.4821, 94.3741

 9.3675, 7.1030,
1.9987

180.2462,
168.5164, 122.3571

 5.0407, 3.5266,
0.5545

220.5906,
207.8569, 155.3877

 2.3062, 1.4124,
0.0000

266.5462,

 0.7978, 0.2259,

252.8880, 193.8844

0.0000

318.4784,
303.9941, 238.2659

■ 0.0000, 0.0000,
0.0000

■ 49.9050, 43.7188,
24.5472

■ 49.9050, 43.7188,
24.5472

■ 46.0646, 38.1088,
16.8836

■ 54.4454, 50.1686,
34.1721

■ 42.8826, 33.2959,
11.0409

■ 59.7178, 57.4857,
45.8802

■ 40.3173, 29.2429,
6.8638


■ 65.7560, 65.7042,
59.7864


■ 38.3201, 25.9065,
4.1694


■ 72.5906, 74.8542,
75.9965

■ 36.8301, 23.2367,
2.7163

■ 80.2504, 84.9646,
94.6093

 36.5094, 22.6479,
2.4472

 87.3804, 95.5099,
108.4376

 87.7416, 96.2324,
108.5580

Harmonies

Analogous

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



54.4275, 43.7188, 35.5338



49.9050, 43.7188, 24.5472



43.4383, 43.7188, 20.0630

Triad

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



49.9050, 43.7188, 24.5472



30.2828, 43.7188, 42.4794



46.3582, 43.7188, 89.7392

Complementary

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



49.9050, 43.7188, 24.5472



43.2128, 50.5374, 85.3188

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.



39.7239, 43.7188, 93.0267



49.9050, 43.7188, 24.5472



30.8886, 43.7188, 62.1340

Square

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



49.9050, 43.7188, 24.5472



32.4377, 43.7188, 28.4797



34.1898, 43.7188, 81.8651



52.2344, 43.7188, 73.7986

Rectangle

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



49.9050, 43.7188, 24.5472



39.0815, 43.7188, 20.2526



34.1898, 43.7188, 81.8651



44.1274, 43.7188, 92.5023

Sweetspot

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



49.9061, 43.7210, 24.5480



82.6081, 83.4750, 78.9835



51.3062, 35.7752, 58.1429



17.3085, 17.3656, 16.0276



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.9061, 43.7210, 24.5480



56.0582, 46.4237, 20.6582



61.4649, 66.8387, 28.4010



15.4644, 15.8518, 15.7634



20.6178, 12.9298, 1.4090



1.7035, 1.1843, 0.1388

Inverse Universe

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



43.2128, 50.5374, 85.3188



46.9568, 55.5524, 102.8555



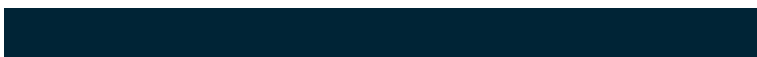
32.8951, 29.9021, 81.8796



15.0820, 16.2503, 19.2640



15.3448, 17.3366, 46.2805



1.2917, 1.5348, 3.6630

Previews

White Background



This preview shows how the XYZ color 49.9050, 43.7188, 24.5472 looks on a white background.

Color Contrast Check

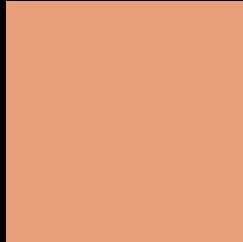
Large Text (above 18pt) WCAG AA × Fail

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 49.9050, 43.7188, 24.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

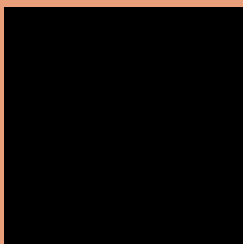
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9050, 43.7188, 24.5472

Background



This preview shows how black text looks on a background with the XYZ color 49.9050, 43.7188, 24.5472.



This preview shows how white text looks on a background with the XYZ color 49.9050, 43.7188,

24.5472.

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

49.9050, 43.7188, 24.5472

Protanopia

41.0541, 44.0301, 27.8076

Deuteranopia

44.7905, 43.7535, 24.1737



Tritanopia

53.4427, 43.6762, 41.2109

Trichromacy



Original Color

49.9050, 43.7188, 24.5472

Protanomaly

43.7246, 43.4298, 26.5003

Deuteranomaly

46.4832, 43.5311, 24.3648

Tritanomaly

52.1514, 43.6492, 34.5306

Monochromacy



Original Color

49.9050, 43.7188, 24.5472

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.7492, 43.1895, 37.9289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9050, 43.7188, 24.5472 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(234, 159, 123)` looks like.

```
.text, #text, p{  
    color:rgb(234, 159, 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(234, 159, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 159, 123) }
```

Border

The CSS property to change the border of an element to XYZ 49.9050, 43.7188, 24.5472 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(234, 159, 123) }
```


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

```
.border{ border-color:rgb(234, 159, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 159, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 159, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 159, 123);  
box-shadow:4px 4px 4px 4px rgb(234, 159,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9050, 43.7188, 24.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 159, 123) }
```

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

```
.background{ background-color: rgb(234,  
159, 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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