

Converting Colors

XYZ(49.6714, 42.3047, 24.6370)

Have a look what the booklet for
XYZ(49.6714, 42.3047, 24.6370)
contains.

XYZ(49.7858, 42.3993, 24.6287)	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(49.7858, 42.3993,
24.6287)**

Conversions

Conversions Part 1

Format	Color
Hex	EC9A7C
RGB	236, 154, 124
RGB Percent	93%, 60%, 49%
CMY	0.0745, 0.3961, 0.5137
CMYK	0.00, 0.35, 0.47, 0.07
HSL	16°, 75%, 71%
HSV	16°, 47%, 93%
XYZ	49.7858, 42.3993, 24.6287
YIQ	175.0980, 58.5020, 8.0540

Conversions

Conversions Part 2

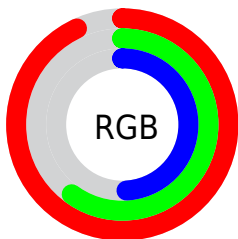
Format	Color
R _Y B	236, 165, 124
Decimal	15506044
CIE Lab	71.15, 27.42, 28.39
CIE LCh	71, 39.473, 45.994
Yxy	42.3993, 0.4262, 0.3630
Android (android.graphics.Color)	4293696124 (0xFFEC9A7C)
YUV	175.0980, -25.1913, 53.4111
Hunter-Lab	65.1147, 22.5277, 23.1547

Details

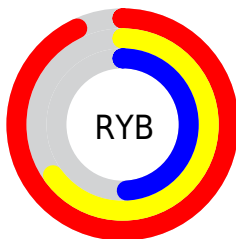
The XYZ color **49.7858, 42.3993, 24.6287** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.5228, 54.4815, 87.4735**, and the grayscale version is **40.9044, 43.0346, 46.8647**.

A 20% lighter version of the original color is **71.9763, 70.0353, 51.3196**, and **24.1528, 19.3579, 9.1201** is the 20% darker color. If you saturate the color by 10%, you get **45.8189, 36.5751, 16.8035**, and if you desaturate by 10%, it is **54.5224, 49.1915, 34.4731**.

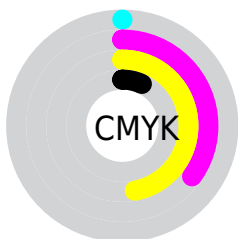
Distribution



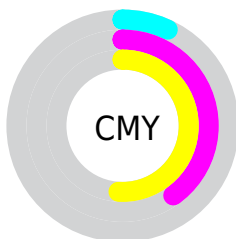
- Red (93%)
- Green (60%)
- Blue (49%)



- Red (93%)
- Yellow (65%)
- Blue (49%)



- Cyan (0%)
- Magenta (35%)
- Yellow (47%)
- Black (7%)





- Cyan (7%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7858, 42.3993, 24.6287 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 49.7858, 42.3993, 24.6287 by changing the saturation by 10% instead.


 49.7858, 42.3993,
24.6287


 49.7858, 42.3993,
24.6287


376.2935,
356.1355, 289.3720

 35.4603, 29.4141,
15.5841


 89.0511, 78.8036,
52.0109

 24.1859, 19.3943,
9.0792


 114.7217,
102.9915, 71.1855

 15.5970, 11.9555,
4.6954


 144.9048,
131.6823, 94.5740

 9.3285, 6.7134,
2.0141

179.9655,
165.2606, 122.5948

 5.0149, 3.2835,
0.5639

220.2695,
204.1106, 155.6664

 2.2908, 1.2815,
0.0000

266.1819,

 0.7900, 0.1268,

248.6169, 194.2075

0.0000

318.0681,
299.1637, 238.6365

■ 0.0000, 0.0000,
0.0000

■ 49.7858, 42.3993,
24.6287

■ 49.7858, 42.3993,
24.6287

■ 45.8189, 36.5751,
16.8035

■ 54.5224, 49.1915,
34.4731

■ 42.5753, 31.6672,
10.8529

■ 60.0653, 56.9875,
46.4627

■ 40.0078, 27.6287,
6.6168

■ 66.4524, 65.8290,
60.7160

■ 38.0617, 24.4053,
3.9064

■ 73.7182, 75.7533,
77.3419

■ 36.6691, 21.9343,
2.4734

■ 81.8953, 86.7959,
96.4425

■ 36.3820, 21.4129,
2.2156

■ 88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



53.7875, 42.3993, 36.8485



49.7858, 42.3993, 24.6287



43.4530, 42.3993, 19.0964

Triad

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



49.7858, 42.3993, 24.6287



29.1864, 42.3993, 37.9074



43.9022, 42.3993, 90.7196

Complementary

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



49.7858, 42.3993, 24.6287



45.5228, 54.4815, 87.4735

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.



37.3019, 42.3993, 91.2331



49.7858, 42.3993, 24.6287



29.2785, 42.3993, 56.9342

Square

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



49.7858, 42.3993, 24.6287



31.8345, 42.3993, 25.2204



32.1015, 42.3993, 77.5931



50.1454, 42.3993, 76.3384

Rectangle

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



49.7858, 42.3993, 24.6287



38.9871, 42.3993, 18.6105



32.1015, 42.3993, 77.5931



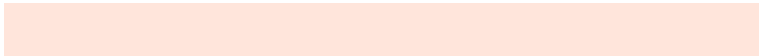
41.6405, 42.3993, 92.6304

Sweetspot

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



49.7869, 42.4014, 24.6295



82.0475, 82.3538, 78.7966



52.9567, 36.7112, 62.7725



17.1731, 17.0947, 15.9825



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.



49.7869, 42.4014, 24.6295



54.7181, 43.7435, 20.2115



61.2440, 65.3156, 28.4485



15.3937, 15.7104, 15.7398



20.1455, 11.9852, 1.2516



1.6590, 1.0953, 0.1240

Inverse Universe

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



45.5228, 54.4815, 87.4735



49.0082, 59.6551, 103.5393



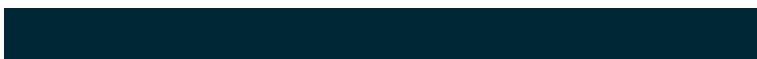
34.3805, 32.1969, 83.7594



15.1565, 16.3995, 19.2888



16.6711, 19.9892, 46.7226



1.3876, 1.7266, 3.6950

Previews

White Background



This preview shows how the XYZ color 49.7858, 42.3993, 24.6287 looks on a white background.

Color Contrast Check

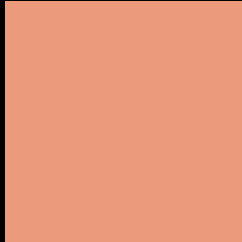
Large Text (above 18pt) WCAG AA × Fail

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 49.7858, 42.3993, 24.6287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

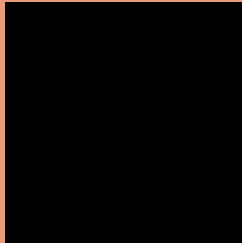
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7858, 42.3993, 24.6287

Background



This preview shows how black text looks on a background with the XYZ color 49.7858, 42.3993, 24.6287.



This preview shows how white text looks on a background with the XYZ color 49.7858, 42.3993,

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

49.7858, 42.3993, 24.6287

Protanopia

39.8632, 42.5304, 28.2985

Deuteranopia

43.2823, 42.4278, 23.9973



Tritanopia

52.6892, 42.3837, 38.6615

Trichromacy



Original Color

49.7858, 42.3993, 24.6287

Protanomaly

43.0248, 42.2283, 27.0023

Deuteranomaly

45.3466, 42.1512, 24.1583

Tritanomaly

51.5930, 42.4169, 33.0718

Monochromacy



Original Color

49.7858, 42.3993, 24.6287

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.8454, 41.9080, 37.2834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7858, 42.3993, 24.6287 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(236, 154, 124)` looks like.

```
.text, #text, p{  
    color:rgb(236, 154, 124)  
}
```

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(236, 154, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 154, 124) }
```

Border

The CSS property to change the border of an element to XYZ 49.7858, 42.3993, 24.6287 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(236, 154, 124) }
```


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

```
.border{ border-color:rgb(236, 154, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 154, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 154, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 154, 124);  
box-shadow:4px 4px 4px 4px rgb(236, 154,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7858, 42.3993, 24.6287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 154, 124) }
```

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

```
.background{ background-color: rgb(236,  
154, 124) }
```

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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