

# Converting Colors

XYZ(62.4669, 63.0042, 49.9597)

Have a look what the booklet for  
XYZ(62.4669, 63.0042, 49.9597)  
contains.

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# Color

**XYZ(62.4711, 63.0023,  
49.9424)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8CBB0
RGB	232, 203, 176
RGB Percent	91%, 80%, 69%
CMY	0.0902, 0.2039, 0.3098
CMYK	0.00, 0.12, 0.24, 0.09
HSL	29°, 55%, 80%
HSV	29°, 24%, 91%
XYZ	62.4711, 63.0023, 49.9424
YIQ	208.5930, 25.9510, -2.2490

# Conversions

## Conversions Part 2

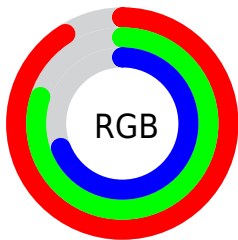
Format	Color
<a href="#">RYB</a>	<a href="#">232, 228, 176</a>
Decimal	<a href="#">15256496</a>
CIELab	<a href="#">83.44, 6.09, 17.21</a>
CIELCh	<a href="#">83, 18.259, 70.513</a>
Yxy	<a href="#">63.0023, 0.3561, 0.3592</a>
Android (android.graphics.Color)	<a href="#">4293446576</a> ( <a href="#">0xFFE8CBB0</a> )
YUV	<a href="#">208.5930, -16.0683, 20.5279</a>
Hunter-Lab	<a href="#">79.3740, 1.5835, 18.2563</a>

# Details

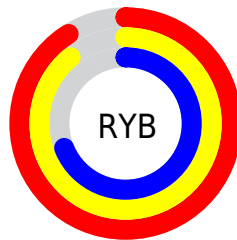
The XYZ color **62.4711, 63.0023, 49.9424** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **54.3008, 58.7173, 84.8157**, and the grayscale version is **60.4301, 63.5772, 69.2355**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **32.2271, 32.1551, 23.2469** is the 20% darker color. If you saturate the color by 10%, you get **57.6416, 56.7080, 37.9589**, and if you desaturate by 10%, it is **67.9161, 69.8989, 64.0680**.

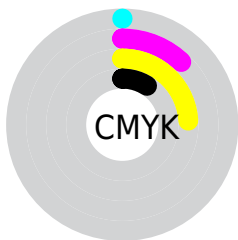
# Distribution



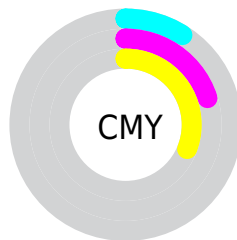
- Red (91%)
- Green (80%)
- Blue (69%)



- Red (91%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (12%)
- Yellow (24%)
- Black (9%)




- Cyan (9%)
- Magenta (20%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4711, 63.0023, 49.9424 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 62.4711, 63.0023, 49.9424 by changing the saturation by 10% instead.




 62.4711, 63.0023,  
49.9424

 62.4711, 63.0023,  
49.9424


423.3377,  
435.5778, 403.1693

 45.6705, 45.8431,  
34.9968


 107.4922,  
109.1728, 91.4850

 32.1894, 32.1220,  
23.3769

136.4434,  
138.9529, 118.9190

 21.6625, 21.4547,  
14.6641


170.1756,  
173.7087, 151.3528

 13.7243, 13.4568,  
8.4400

209.0540,  
213.8247, 189.2051

 8.0096, 7.7438,  
4.2860

253.4441,  
259.6852, 232.8944

 4.1529, 3.9315,  
1.7835

303.7112,

 1.7890, 1.6353,

311.6746, 282.8391

0.4170

360.2206,  
370.1774, 339.4579

■ 0.5110, 0.3812,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4711, 63.0023,  
49.9424

■ 62.4711, 63.0023,  
49.9424

■ 57.6416, 56.7080,  
37.9589

■ 67.9161, 69.8989,  
64.0680

■ 53.3977, 50.9896,  
28.0068

■ 73.9949, 77.4062,  
80.4308

■ 49.7143, 45.8309,  
19.9715

■ 80.7313, 85.5433,  
99.1251

■ 46.5621, 41.2118,  
13.7251

■ 85.8432, 93.4046,  
108.1122

■ 43.9086, 37.1104,  
9.1240

■ 87.0888, 95.8958,  
108.5274

■ 41.7168, 33.5026,  
6.0019

■ 39.9427, 30.3611,  
4.1565

■ 39.0595, 28.7172,  
3.4843

# Harmonies

## Analogous

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



65.8903, 63.0023, 55.3235



62.4711, 63.0023, 49.9424



58.4963, 63.0023, 49.2276

# Triad

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



62.4711, 63.0023, 49.9424



52.6683, 63.0023, 72.6760



64.9920, 63.0023, 86.6466

# Complementary

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



62.4711, 63.0023, 49.9424



54.3008, 58.7173, 84.8157

# 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.



61.2890, 63.0023, 92.4827



62.4711, 63.0023, 49.9424



54.2502, 63.0023, 83.8441

# Square

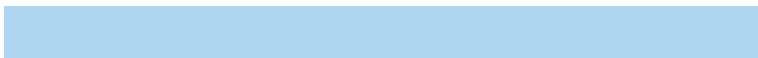
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.4711, 63.0023, 49.9424



52.9533, 63.0023, 61.5443



57.3650, 63.0023, 91.4038



67.3897, 63.0023, 76.1728



# Rectangle

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



62.4711, 63.0023, 49.9424



56.0797, 63.0023, 51.3966



57.3650, 63.0023, 91.4038



63.8520, 63.0023, 89.2657

# Sweetspot

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



62.4728, 63.0052, 49.9437



89.4301, 93.1475, 93.5015



59.9290, 52.6570, 65.3134



19.0420, 19.8148, 19.7433



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.



62.4728, 63.0052, 49.9437



74.3240, 74.0751, 54.1236



69.4495, 76.9585, 52.2693



14.9477, 15.5092, 15.1102



21.8091, 16.1923, 1.9760



1.7042, 1.3818, 0.1769



# Inverse Universe

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



54.3008, 58.7173, 84.8157



62.5379, 67.8899, 104.4157



48.3646, 46.8449, 82.8370



14.1970, 15.1154, 18.3136



11.9500, 10.9621, 43.8692

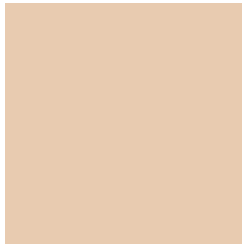


0.9760, 0.9959, 3.2728



# Previews

## White Background



This preview shows how the XYZ color 62.4711, 63.0023, 49.9424 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 62.4711, 63.0023, 49.9424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

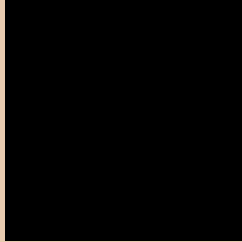
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.4711, 63.0023, 49.9424

## Background



This preview shows how black text looks on a background with the XYZ color 62.4711, 63.0023, 49.9424.



This preview shows how white text looks on a background with the XYZ color 62.4711, 63.0023,

49.9424.

# 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

62.4711, 63.0023, 49.9424

### Protanopia

59.8052, 63.3862, 51.2022

### Deuteranopia

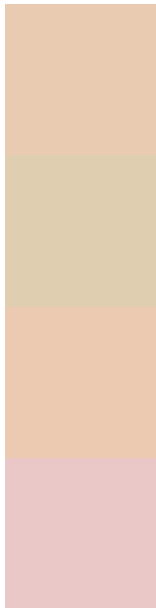
64.1867, 62.8336, 50.3401



## Tritanopia

66.7964, 63.0251, 71.5953

# Trichromacy



## Original Color

62.4711, 63.0023, 49.9424

## Protanomaly

60.7476, 63.1642, 50.5851

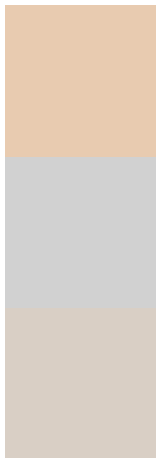
## Deuteranomaly

63.4145, 62.7805, 50.3705

## Tritanomaly

65.3406, 63.1409, 63.3872

# Monochromacy



## Original Color

62.4711, 63.0023, 49.9424

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

61.0061, 63.4086, 61.8470

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4711, 63.0023, 49.9424 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(232, 203, 176)` looks like.

```
.text, #text, p{  
    color:rgb(232, 203, 176)  
}
```

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(232, 203, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 203, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4711, 63.0023, 49.9424 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(232, 203, 176) }
```



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

```
.border{ border-color:rgb(232, 203, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 203, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 203, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 203, 176); box-shadow:4px 4px 4px 4px rgb(232, 203, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4711, 63.0023, 49.9424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 203, 176) }
```

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

```
.background{ background-color: rgb(232,  
203, 176) }
```

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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