

Converting Colors

XYZ(63.6200, 68.1823, 48.7537)

Have a look what the booklet for
XYZ(63.6200, 68.1823, 48.7537)
contains.

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Color

**XYZ(63.4254, 67.9103,
48.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D7AC
RGB	227, 215, 172
RGB Percent	89%, 84%, 67%
CMY	0.1098, 0.1568, 0.3255
CMYK	0.00, 0.05, 0.24, 0.11
HSL	47°, 50%, 78%
HSV	47°, 24%, 89%
XYZ	63.4254, 67.9103, 48.7949
YIQ	213.6860, 20.9550, -10.8290

Conversions

Conversions Part 2

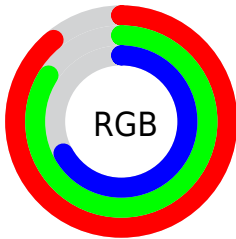
Format	Color
RYB	187, 227, 172
Decimal	14931884
CIELab	85.96, -2.56, 22.75
CIELCh	86, 22.889, 96.421
Yxy	67.9103, 0.3521, 0.3770
Android (android.graphics.Color)	4293121964 (0xFFE3D7AC)
YUV	213.6860, -20.5512, 11.6764
Hunter-Lab	82.4077, -6.8303, 22.5789

Details

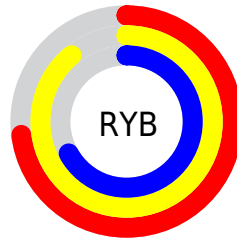
The XYZ color **63.4254, 67.9103, 48.7949** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.0187, 48.5966, 79.5226**, and the grayscale version is **63.8308, 67.1550, 73.1317**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **32.6952, 35.1314, 22.5106** is the 20% darker color. If you saturate the color by 10%, you get **60.1878, 64.6309, 37.8631**, and if you desaturate by 10%, it is **67.0771, 71.4211, 61.7036**.

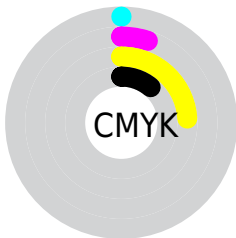
Distribution



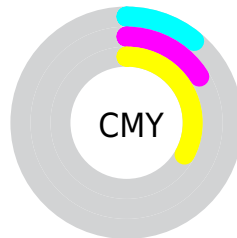
- Red (89%)
- Green (84%)
- Blue (67%)



- Red (73%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (5%)
- Yellow (24%)
- Black (11%)



- Cyan (11%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4254, 67.9103, 48.7949 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 63.4254, 67.9103, 48.7949 by changing the saturation by 10% instead.

63.4254, 67.9103,
48.7949

63.4254, 67.9103,
48.7949

426.7469,
453.1781, 398.5336

46.4454, 49.8248,
34.0924

108.8614,
116.2238, 89.7646

32.8035, 35.2742,
22.6866

138.0480,
147.2206, 116.8688

22.1345, 23.8742,
14.1592

172.0343,
183.2899, 148.9440

14.0729, 15.2403,
8.0914

211.1855,
224.8161, 186.4087

8.2534, 8.9882,
4.0649

255.8670,
272.1836, 229.6815

4.3107, 4.7335,
1.6610

306.4442,

1.8794, 2.0918,

325.7769, 279.1809

0.3338

363.2823,
385.9803, 335.3254

■ 0.5648, 0.6600,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4254, 67.9103,
48.7949

■ 63.4254, 67.9103,
48.7949

■ 60.1878, 64.6309,
37.8631

■ 67.0771, 71.4211,
61.7036

■ 57.3398, 61.5654,
28.8041

■ 71.1556, 75.1619,
76.6776

■ 54.8622, 58.7081,
21.5108

■ 75.6793, 79.1429,
93.8050

■ 52.7320, 56.0492,
15.8636

■ 79.3823, 82.8581,
106.4171

■ 50.9233, 53.5777,
11.7278

■ 80.8180, 85.7296,
106.8956

■ 49.4062, 51.2812,
8.9475

■ 82.2935, 88.6805,
107.3875

■ 48.1441, 49.1445,
7.3326

■ 83.8090, 91.7116,
107.8926

■ 47.4984, 47.9704,
6.7558

■ 85.3649, 94.8234,
108.4113

■ 85.4887, 95.0710,
108.4525

Harmonies

Analogous

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



68.6654, 67.9103, 50.5049



63.4254, 67.9103, 48.7949



58.7424, 67.9103, 53.0518

Triad

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



63.4254, 67.9103, 48.7949



56.7670, 67.9103, 92.4505



74.2378, 67.9103, 86.1082

Complementary

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



63.4254, 67.9103, 48.7949



48.0187, 48.5966, 79.5226

Split Complementary

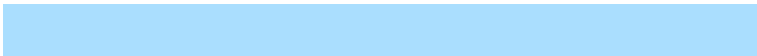
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7213, 67.9103, 99.7037



63.4254, 67.9103, 48.7949



60.5961, 67.9103, 103.6983

Square

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



63.4254, 67.9103, 48.7949



55.0348, 67.9103, 77.2201



65.6811, 67.9103, 106.5176



75.0959, 67.9103, 70.7595

Rectangle

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



63.4254, 67.9103, 48.7949



56.5040, 67.9103, 59.0911



65.6811, 67.9103, 106.5176



73.3185, 67.9103, 91.0951

Sweetspot

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



63.4272, 67.9134, 48.7963



91.0786, 96.4444, 94.0510



55.1711, 49.3326, 52.4219



19.4241, 20.5790, 19.8706



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.



63.4272, 67.9134, 48.7963



80.4146, 86.2563, 56.1538



62.1636, 71.9639, 49.6448



15.3209, 16.2557, 15.2346



27.7904, 28.1550, 3.9697



2.1199, 2.2131, 0.3154

Inverse Universe

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



48.0187, 48.5966, 79.5226



57.1245, 57.0632, 102.6113



49.0305, 45.5749, 78.8861



13.8364, 14.3942, 18.1934



8.8094, 4.6809, 42.8224



0.7186, 0.4812, 3.1870

Previews

White Background



This preview shows how the XYZ color 63.4254, 67.9103, 48.7949 looks on a white background.

Color Contrast Check

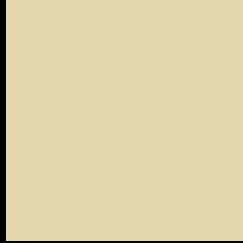
Large Text (above 18pt) WCAG AA × Fail

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 63.4254, 67.9103, 48.7949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

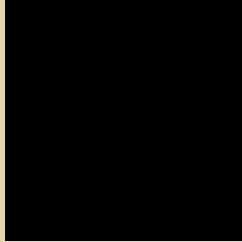
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

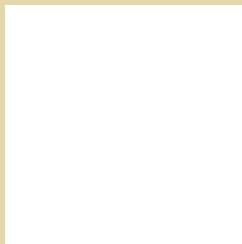
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4254, 67.9103, 48.7949

Background



This preview shows how black text looks on a background with the XYZ color 63.4254, 67.9103, 48.7949.

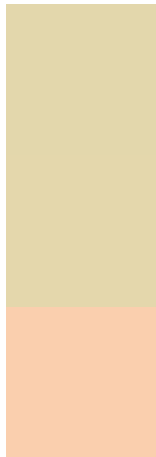


This preview shows how white text looks on a background with the XYZ color 63.4254, 67.9103,

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

63.4254, 67.9103, 48.7949

Protanopia

63.7417, 68.0734, 48.8097

Deuteranopia

69.3771, 68.0056, 49.5142



Tritanopia

69.9421, 67.9860, 79.9573

Trichromacy



Original Color

63.4254, 67.9103, 48.7949

Protanomaly

63.7417, 68.0734, 48.8097

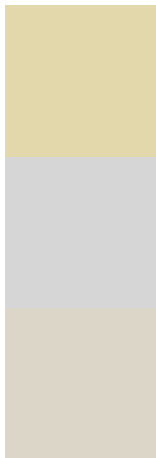
Deuteranomaly

67.2074, 67.9876, 49.1159

Tritanomaly

67.2687, 67.9852, 67.3346

Monochromacy



Original Color

63.4254, 67.9103, 48.7949

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.5688, 67.2767, 63.6681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4254, 67.9103, 48.7949 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(227, 215, 172)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 172)  
}
```

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(227, 215, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 172) }
```

Border

The CSS property to change the border of an element to XYZ 63.4254, 67.9103, 48.7949 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(227, 215, 172) }
```


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

```
.border{ border-color:rgb(227, 215, 172) }
```

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

Here you see how a box with a 4 pixel rgb(227, 215, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 172);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4254, 67.9103, 48.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 172) }
```

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

```
.background{ background-color: rgb(227,  
215, 172) }
```

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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