

Converting Colors

XYZ(64.5560, 70.8805, 44.9644)

Have a look what the booklet for
XYZ(64.5560, 70.8805, 44.9644)
contains.

XYZ(64.4622, 70.8512, 44.9285)	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(64.4622, 70.8512,
44.9285)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DDA3
RGB	228, 221, 163
RGB Percent	89%, 87%, 64%
CMY	0.1059, 0.1333, 0.3608
CMYK	0.00, 0.03, 0.29, 0.11
HSL	54°, 55%, 77%
HSV	54°, 29%, 89%
XYZ	64.4622, 70.8512, 44.9285
YIQ	216.4810, 22.7900, -16.5540

Conversions

Conversions Part 2

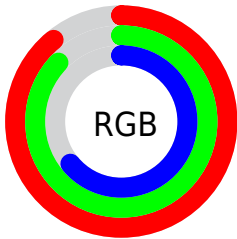
Format	Color
RYB	171, 228, 163
Decimal	14998947
CIELab	87.41, -6.45, 29.40
CIELCh	87, 30.100, 102.367
Yxy	70.8512, 0.3576, 0.3931
Android (android.graphics.Color)	4293189027 (0xFFE4DDA3)
YUV	216.4810, -26.3661, 10.1022
Hunter-Lab	84.1732, -10.6026, 27.2744

Details

The XYZ color **64.4622, 70.8512, 44.9285** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.4824, 42.1364, 79.2403**, and the grayscale version is **65.7634, 69.1882, 75.3459**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **33.5187, 37.1908, 20.4508** is the 20% darker color. If you saturate the color by 10%, you get **61.9584, 68.8232, 34.9078**, and if you desaturate by 10%, it is **67.3474, 73.0519, 56.8950**.

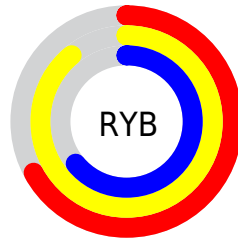
Distribution



Red (89%)

Green (87%)

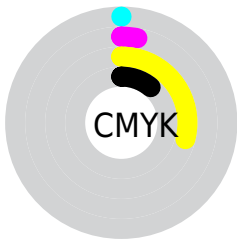
Blue (64%)



Red (67%)

Yellow (89%)

Blue (64%)

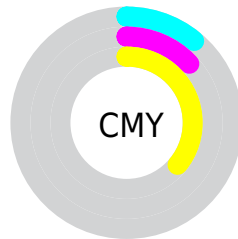


Cyan (0%)

Magenta (3%)

Yellow (29%)

Black (11%)



Cyan (11%)

Magenta (13%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4622, 70.8512, 44.9285 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 64.4622, 70.8512, 44.9285 by changing the saturation by 10% instead.

64.4622, 70.8512,
44.9285

64.4622, 70.8512,
44.9285

430.4326,
463.5331, 382.6356

47.2882, 52.2208,
31.0586

110.3463,
120.4218, 83.9304

33.4725, 37.1811,
20.3846

139.7872,
152.1308, 109.8995

22.6496, 25.3477,
12.4881

174.0477,
188.9681, 140.7387

14.4542, 16.3363,
6.9504

213.4932,
231.3181, 176.8666

8.5211, 9.7624,
3.3531

258.4891,
279.5652, 218.7017

4.4847, 5.2417,
1.2777

309.4008,

1.9799, 2.3898,

334.0938, 266.6625

0.0434

366.5935,
395.2883, 321.1676

■ 0.6226, 0.8206,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4622, 70.8512,
44.9285

■ 64.4622, 70.8512,
44.9285

■ 61.9584, 68.8232,
34.9078

■ 67.3474, 73.0519,
56.8950

■ 59.8107, 66.9502,
26.7242


■ 70.6270, 75.4231,
70.8994


■ 57.9994, 65.2268,
20.2650


■ 74.3200, 77.9749,
87.0331


■ 56.5002, 63.6432,
15.4036


■ 78.4423, 80.7137,
105.3808


 55.2857, 62.1884,
11.9956


 79.2613, 82.1467,
106.2861


 54.3236, 60.8494,
9.8711


 79.9618, 83.5477,
106.5196

 53.5664, 59.6070,
8.7797

 80.6720, 84.9681,
106.7564

 53.4609, 59.4259,
8.6527

 81.3920, 86.4080,
106.9963

 82.1217, 87.8675,
107.2396

Harmonies

Analogous

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



71.5595, 70.8512, 45.5795



64.4622, 70.8512, 44.9285



58.5608, 70.8512, 51.7289

Triad

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



64.4622, 70.8512, 44.9285



57.7570, 70.8512, 106.5823



81.1978, 70.8512, 89.5956

Complementary

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



64.4622, 70.8512, 44.9285



43.4824, 42.1364, 79.2403

Split Complementary

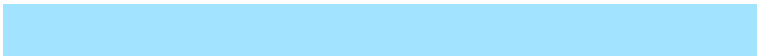
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9598, 70.8512, 109.7620



64.4622, 70.8512, 44.9285



63.2934, 70.8512, 120.6914

Square

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



64.4622, 70.8512, 44.9285



54.8759, 70.8512, 85.8189



70.3062, 70.8512, 121.9478



81.5659, 70.8512, 69.0760

Rectangle

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



64.4622, 70.8512, 44.9285



55.9644, 70.8512, 60.4057



70.3062, 70.8512, 121.9478



80.1656, 70.8512, 96.7219

Sweetspot

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



64.4640, 70.8544, 44.9300



90.7898, 97.0434, 90.3273



52.4038, 45.6136, 44.3635



19.2942, 20.6728, 18.7367



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.



64.4640, 70.8544, 44.9300



81.1914, 89.8094, 50.2482



59.0061, 70.8397, 45.2148



15.4622, 16.5383, 15.2817



30.9234, 34.4209, 5.0141



2.3233, 2.6199, 0.3832

Inverse Universe

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



43.4824, 42.1364, 79.2403



50.1092, 47.2714, 101.0910



47.8201, 42.4776, 79.0775



13.7070, 14.1355, 18.1503



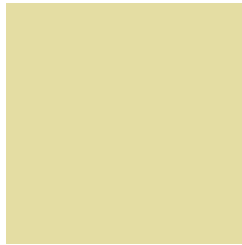
8.3226, 3.7073, 42.6601



0.6571, 0.3582, 3.1665

Previews

White Background



This preview shows how the XYZ color 64.4622, 70.8512, 44.9285 looks on a white background.

Color Contrast Check

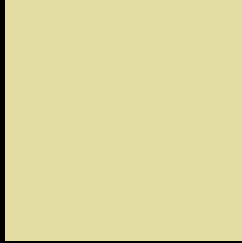
Large Text (above 18pt) WCAG AA × Fail

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 64.4622, 70.8512, 44.9285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

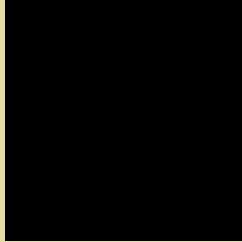
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4622, 70.8512, 44.9285

Background



This preview shows how black text looks on a background with the XYZ color 64.4622, 70.8512, 44.9285.



This preview shows how white text looks on a background with the XYZ color 64.4622, 70.8512,

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

64.4622, 70.8512, 44.9285

Protanopia

66.1141, 70.9338, 44.3894

Deuteranopia

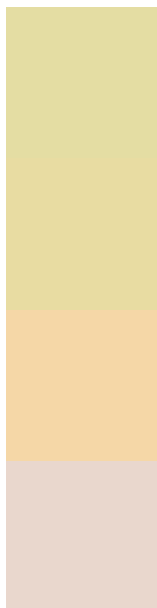
71.7900, 70.7508, 47.9027



Tritanopia

72.2784, 70.5770, 83.9420

Trichromacy



Original Color

64.4622, 70.8512, 44.9285

Protanomaly

65.3935, 70.9508, 44.4307

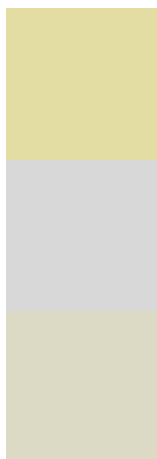
Deuteranomaly

68.9317, 70.8034, 46.5925

Tritanomaly

68.9242, 70.3323, 67.7004

Monochromacy



Original Color

64.4622, 70.8512, 44.9285

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.6646, 69.3897, 62.8087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4622, 70.8512, 44.9285 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(228, 221, 163)` looks like.

```
.text, #text, p{  
    color:rgb(228, 221, 163)  
}
```

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(228, 221, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 221, 163) }
```

Border

The CSS property to change the border of an element to XYZ 64.4622, 70.8512, 44.9285 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(228, 221, 163) }
```


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

```
.border{ border-color:rgb(228, 221, 163) }
```

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

Here you see how a box with a 4 pixel rgb(228, 221, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 221, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 221, 163);  
box-shadow:4px 4px 4px 4px rgb(228, 221,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4622, 70.8512, 44.9285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 221, 163) }
```

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

```
.background{ background-color: rgb(228,  
221, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor