

Converting Colors

XYZ(64.1121, 67.9857, 61.7561)

Have a look what the booklet for
XYZ(64.1121, 67.9857, 61.7561)
contains.

XYZ(64.0830, 67.9586, 61.9643)	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(64.0830, 67.9586,
61.9643)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD7C4
RGB	221, 215, 196
RGB Percent	87%, 84%, 77%
CMY	0.1333, 0.1568, 0.2314
CMYK	0.00, 0.03, 0.11, 0.13
HSL	46°, 27%, 82%
HSV	46°, 11%, 87%
XYZ	64.0830, 67.9586, 61.9643
YIQ	214.6280, 9.6750, -4.6370

Conversions

Conversions Part 2

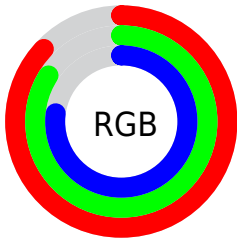
Format	Color
RYB	204, 221, 196
Decimal	14538692
CIELab	85.99, -1.16, 10.10
CIELCh	86, 10.165, 96.548
Yxy	67.9586, 0.3303, 0.3503
Android (android.graphics.Color)	4292728772 (0xFFDDD7C4)
YUV	214.6280, -9.1836, 5.5882
Hunter-Lab	82.4370, -5.5065, 13.1402

Details

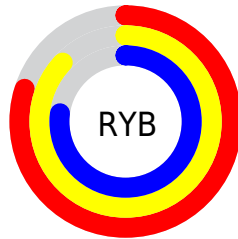
The XYZ color **64.0830, 67.9586, 61.9643** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.9363, 59.1959, 76.8322**, and the grayscale version is **64.3969, 67.7505, 73.7803**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **33.1792, 35.2016, 30.6370** is the 20% darker color. If you saturate the color by 10%, you get **60.4234, 64.3724, 49.2345**, and if you desaturate by 10%, it is **68.1606, 71.7864, 76.6631**.

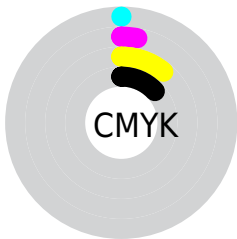
Distribution



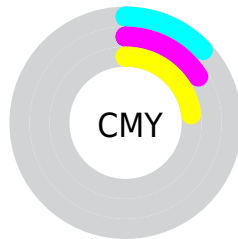
- Red (87%)
- Green (84%)
- Blue (77%)



- Red (80%)
- Yellow (87%)
- Blue (77%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (13%)



- Cyan (13%)
- Magenta (16%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0830, 67.9586, 61.9643 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 64.0830, 67.9586, 61.9643 by changing the saturation by 10% instead.

■ 64.0830, 67.9586,
61.9643

■ 64.0830, 67.9586,
61.9643

429.0868,
453.3493, 449.8049

■ 46.9798, 49.8641,
44.5682

109.8035,
116.2929, 109.2450

■ 33.2276, 35.3054,
30.7770

139.1516,
147.3015, 139.9668

■ 22.4609, 23.8982,
20.1721

173.3120,
183.3835, 175.9675

■ 14.3145, 15.2581,
12.3349

212.6501,
224.9234, 217.6658

■ 8.4229, 9.0008,
6.8469

257.5313,
272.3055, 265.4801

■ 4.4208, 4.7417,
3.2895

308.3209,

■ 1.9428, 2.0965,

325.9143, 319.8291

1.2443

365.3843,
386.1341, 381.1311

■ 0.6015, 0.6627,
0.0155

■ 0.0000, 0.0000,
0.0000

■ 64.0830, 67.9586,
61.9643

■ 64.0830, 67.9586,
61.9643

■ 60.4234, 64.3724,
49.2345

■ 68.1606, 71.7864,
76.6631

■ 57.1597, 61.0117,
38.3844

■ 72.6663, 75.8538,
93.4066

■ 54.2761, 57.8716,
29.3238

■ 76.4184, 79.6910,
105.9620

■ 51.7533, 54.9439,
21.9539

■ 77.9235, 82.7013,
106.4637

■ 49.5703, 52.2193,
16.1658

■ 79.4739, 85.8021,
106.9805

■ 47.7036, 49.6879,
11.8381

■ 81.0701, 88.9944,
107.5125

■ 46.1264, 47.3381,
8.8315

■ 82.7122, 92.2787,
108.0599

■ 44.8066, 45.1565,
6.9797

■ 83.6290, 94.1123,
108.3655

■ 43.8220, 43.3783,
6.0632

Harmonies

Analogous

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



66.3924, 67.9586, 62.8358



64.0830, 67.9586, 61.9643



61.9608, 67.9586, 64.1572

Triad

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



64.0830, 67.9586, 61.9643



61.0593, 67.9586, 81.9034



68.7912, 67.9586, 79.2211

Complementary

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



64.0830, 67.9586, 61.9643



56.9363, 59.1959, 76.8322

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.



67.2979, 67.9586, 84.7911



64.0830, 67.9586, 61.9643



62.8256, 67.9586, 86.4036

Square

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



64.0830, 67.9586, 61.9643



60.2424, 67.9586, 75.4684



65.1049, 67.9586, 87.4909



69.1473, 67.9586, 72.5416

Rectangle

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



64.0830, 67.9586, 61.9643



60.9257, 67.9586, 67.1443



65.1049, 67.9586, 87.4909



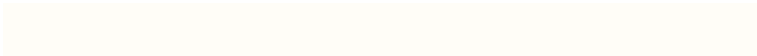
68.4038, 67.9586, 81.2973

Sweetspot

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



64.0849, 67.9616, 61.9658



93.2601, 98.3521, 102.3476



60.2497, 59.1290, 64.2708



19.8611, 20.9582, 21.5411



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.



64.0849, 67.9616, 61.9658



87.1551, 92.5690, 80.4991



63.7718, 70.1082, 62.3966



13.8839, 14.7071, 13.8326



25.5486, 25.3828, 3.5528



1.7201, 1.7743, 0.2518

Inverse Universe

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



56.9363, 59.1959, 76.8322



75.0590, 77.7371, 105.6565



57.2167, 57.2927, 76.4500



12.5910, 13.1217, 16.5213



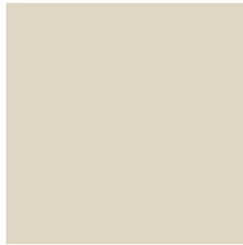
8.3949, 4.6592, 40.1953



0.6109, 0.4360, 2.6264

Previews

White Background



This preview shows how the XYZ color 64.0830, 67.9586, 61.9643 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 64.0830, 67.9586, 61.9643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

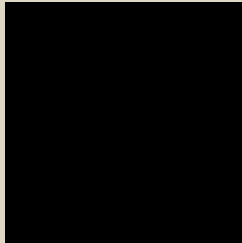
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

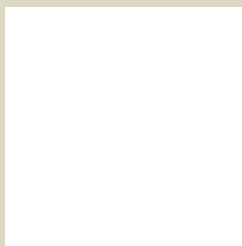
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0830, 67.9586, 61.9643

Background



This preview shows how black text looks on a background with the XYZ color 64.0830, 67.9586, 61.9643.

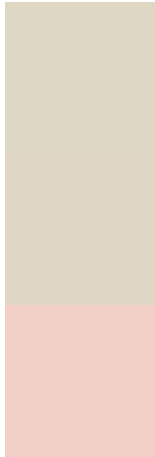


This preview shows how white text looks on a background with the XYZ color 64.0830, 67.9586,

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

64.0830, 67.9586, 61.9643

Protanopia

64.4418, 67.7666, 61.9084

Deuteranopia

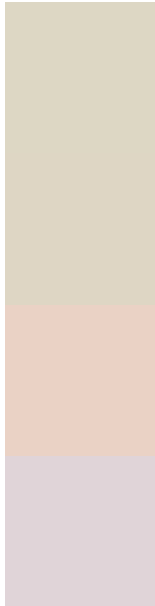
69.1238, 67.5801, 62.8271



Tritanopia

67.9631, 67.6468, 82.1481

Trichromacy



Original Color

64.0830, 67.9586, 61.9643

Protanomaly

64.1346, 67.6083, 61.8940

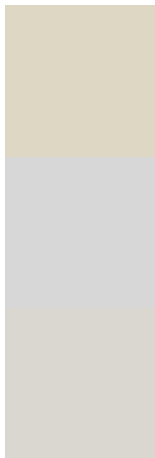
Deuteranomaly

67.0563, 67.6168, 62.3404

Tritanomaly

66.6786, 67.8921, 74.5559

Monochromacy



Original Color

64.0830, 67.9586, 61.9643

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.3009, 67.9067, 69.3928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0830, 67.9586, 61.9643 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(221, 215, 196)` looks like.

```
.text, #text, p{  
    color:rgb(221, 215, 196)  
}
```

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(221, 215, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 215, 196) }
```

Border

The CSS property to change the border of an element to XYZ 64.0830, 67.9586, 61.9643 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(221, 215, 196) }
```


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

```
.border{ border-color:rgb(221, 215, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 215, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 215, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 215, 196);  
box-shadow:4px 4px 4px 4px rgb(221, 215,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0830, 67.9586, 61.9643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 215, 196) }
```

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

```
.background{ background-color: rgb(221,  
215, 196) }
```

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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