

Converting Colors

XYZ(63.2450, 67.2542, 50.9750)

Have a look what the booklet for
XYZ(63.2450, 67.2542, 50.9750)
contains.

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Color

**XYZ(63.2471, 67.3965,
50.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D6B0
RGB	226, 214, 176
RGB Percent	89%, 84%, 69%
CMY	0.1137, 0.1608, 0.3098
CMYK	0.00, 0.05, 0.22, 0.11
HSL	46°, 46%, 79%
HSV	46°, 22%, 89%
XYZ	63.2471, 67.3965, 50.7496
YIQ	213.2560, 19.3500, -9.2740

Conversions

Conversions Part 2

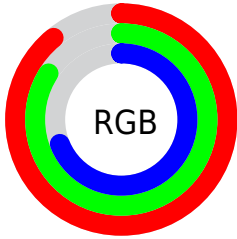
Format	Color
RYB	192, 226, 176
Decimal	14866096
CIELab	85.70, -1.86, 20.28
CIELCh	86, 20.369, 95.235
Yxy	67.3965, 0.3487, 0.3715
Android (android.graphics.Color)	4293056176 (0xFFE2D6B0)
YUV	213.2560, -18.3672, 11.1765
Hunter-Lab	82.0954, -6.1487, 20.8150

Details

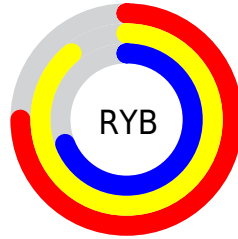
The XYZ color **63.2471, 67.3965, 50.7496** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.6149, 50.6863, 79.1204**, and the grayscale version is **63.5287, 66.8372, 72.7857**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **32.5509, 34.7724, 23.7350** is the 20% darker color. If you saturate the color by 10%, you get **59.8457, 63.8790, 39.4869**, and if you desaturate by 10%, it is **67.0700, 71.1603, 63.9911**.

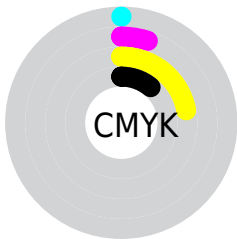
Distribution



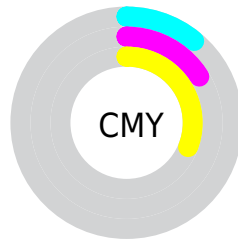
- Red (89%)
- Green (84%)
- Blue (69%)



- Red (75%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (11%)



- Cyan (11%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2471, 67.3965, 50.7496 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 63.2471, 67.3965, 50.7496 by changing the saturation by 10% instead.

■ 63.2471, 67.3965,
50.7496

■ 63.2471, 67.3965,
50.7496

426.1111,
451.3548, 406.4089

■ 46.3005, 49.4069,
35.6340

■ 108.6057,
115.4884, 92.6922

■ 32.6887, 34.9424,
23.8642

137.7485,
146.3595, 120.3564

■ 22.0461, 23.6185,
15.0217

171.6874,
182.2932, 153.0405

■ 14.0076, 15.0509,
8.6878

210.7878,
223.6739, 191.1630

■ 8.2077, 8.8551,
4.4441

255.4150,
270.8860, 235.1426

■ 4.2811, 4.6468,
1.8720

305.9344,

■ 1.8623, 2.0415,

324.3139, 285.3978

0.4748

362.7113,
384.3421, 342.3470

■ 0.5548, 0.6314,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2471, 67.3965,
50.7496

■ 63.2471, 67.3965,
50.7496

■ 59.8457, 63.8790,
39.4869

■ 67.0700, 71.1603,
63.9911

■ 56.8417, 60.5906,
30.1016

■ 71.3268, 75.1691,
79.2974

■ 54.2165, 57.5254,
22.4896

■ 76.0356, 79.4332,
96.7550

■ 51.9475, 54.6736,
16.5353

■ 79.3214, 83.2031,
106.4869

■ 50.0098, 52.0245,
12.1088

■ 80.9035, 86.3675,
107.0143

■ 48.3747, 49.5659,
9.0610

■ 82.5335, 89.6273,
107.5576

■ 47.0075, 47.2833,
7.2128

■ 84.2116, 92.9836,
108.1169

■ 46.0753, 45.5911,
6.3715

■ 85.1742, 94.9088,
108.4378

Harmonies

Analogous

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



67.8721, 67.3965, 52.5257



63.2471, 67.3965, 50.7496



59.0437, 67.3965, 54.4149

Triad

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



63.2471, 67.3965, 50.7496



57.0383, 67.3965, 89.1478



72.5133, 67.3965, 84.6254

Complementary

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



63.2471, 67.3965, 50.7496



49.6149, 50.6863, 79.1204

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.



69.3492, 67.3965, 96.3153



63.2471, 67.3965, 50.7496



60.3902, 67.3965, 99.1395

Square

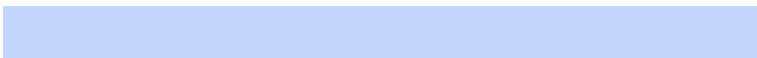
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.2471, 67.3965, 50.7496



55.5715, 67.3965, 75.7414



64.8765, 67.3965, 101.9086



73.3681, 67.3965, 71.0747

Rectangle

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



63.2471, 67.3965, 50.7496



56.9995, 67.3965, 59.7460



64.8765, 67.3965, 101.9086



71.6772, 67.3965, 88.9523

Sweetspot

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



63.2489, 67.3995, 50.7510



90.9571, 96.2013, 94.0105



56.0212, 50.8727, 54.7276



19.3959, 20.5226, 19.8612



0.0000, 0.0000, 0.0000



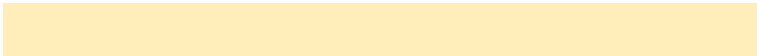
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.2489, 67.3995, 50.7510



80.8341, 86.2421, 58.9240



62.6193, 71.7488, 51.6237



14.5786, 15.4431, 14.5192



26.3823, 26.2024, 3.6671



1.8964, 1.9518, 0.2768

Inverse Universe

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



49.6149, 50.6863, 79.1204



59.6136, 60.2328, 103.0919



50.1160, 47.2975, 78.4399



13.2177, 13.7745, 17.3498



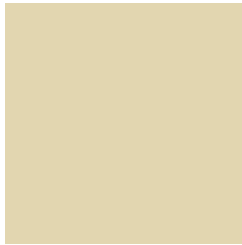
8.6670, 4.8035, 41.5187



0.6698, 0.4710, 2.9009

Previews

White Background



This preview shows how the XYZ color 63.2471, 67.3965, 50.7496 looks on a white background.

Color Contrast Check

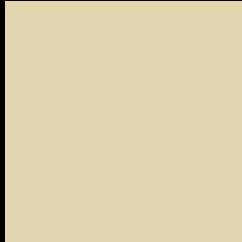
Large Text (above 18pt) WCAG AA × Fail

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 63.2471, 67.3965, 50.7496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

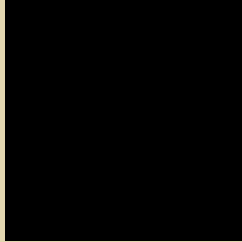
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2471, 67.3965, 50.7496

Background



This preview shows how black text looks on a background with the XYZ color 63.2471, 67.3965, 50.7496.

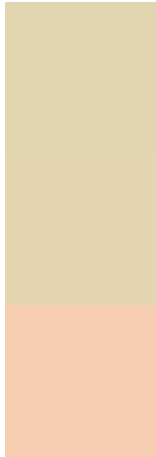


This preview shows how white text looks on a background with the XYZ color 63.2471, 67.3965,

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

63.2471, 67.3965, 50.7496

Protanopia

63.5616, 67.5586, 50.7644

Deuteranopia

68.8186, 67.3134, 51.4851



Tritanopia

69.0461, 67.1633, 79.8457

Trichromacy



Original Color

63.2471, 67.3965, 50.7496

Protanomaly

63.5616, 67.5586, 50.7644

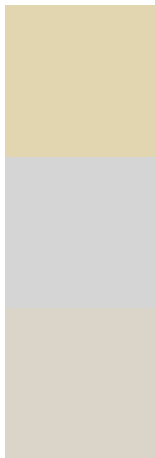
Deuteranomaly

66.6715, 67.3005, 51.0713

Tritanomaly

66.9422, 67.4212, 68.5168

Monochromacy



Original Color

63.2471, 67.3965, 50.7496

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.1330, 66.6641, 64.1836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2471, 67.3965, 50.7496 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(226, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(226, 214, 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(226, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 214, 176) }
```

Border

The CSS property to change the border of an element to XYZ 63.2471, 67.3965, 50.7496 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(226, 214, 176) }
```


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

```
.border{ border-color:rgb(226, 214, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 214, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 214, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 214, 176); box-shadow:4px 4px 4px 4px rgb(226, 214, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2471, 67.3965, 50.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 214, 176) }
```

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

```
.background{ background-color: rgb(226,  
214, 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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