

Converting Colors

XYZ(69.9853, 74.9058, 63.6543)

Have a look what the booklet for
XYZ(69.9853, 74.9058, 63.6543)
contains.

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Color

**XYZ(69.9583, 74.8706,
63.5876)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E1C5
RGB	231, 225, 197
RGB Percent	91%, 88%, 77%
CMY	0.0941, 0.1176, 0.2274
CMYK	0.00, 0.03, 0.15, 0.09
HSL	49°, 41%, 84%
HSV	49°, 15%, 91%
XYZ	69.9583, 74.8706, 63.5876
YIQ	223.6020, 12.5640, -7.4360

Conversions

Conversions Part 2

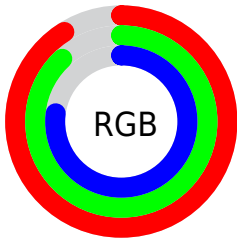
Format	Color
R_{YB}	204, 231, 197
Decimal	15196613
CIE _{Lab}	89.33, -2.58, 14.43
CIE _{LCh}	89, 14.662, 100.115
Yxy	74.8706, 0.3357, 0.3592
Android (android.graphics.Color)	4293386693 (0xFFE7E1C5)
YUV	223.6020, -13.1148, 6.4880
Hunter-Lab	86.5278, -7.1052, 16.9984

Details

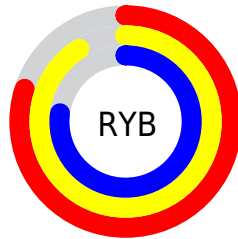
The XYZ color **69.9583, 74.8706, 63.5876** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.8056, 60.3506, 84.1514**, and the grayscale version is **70.6536, 74.3330, 80.9487**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **37.0118, 39.8466, 31.7270** is the 20% darker color. If you saturate the color by 10%, you get **66.4243, 71.7185, 50.3363**, and if you desaturate by 10%, it is **73.9283, 78.2442, 78.9871**.

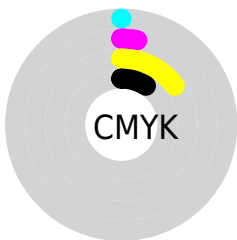
Distribution



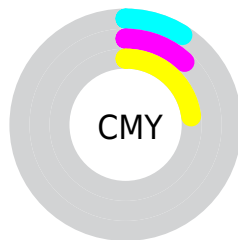
- Red (91%)
- Green (88%)
- Blue (77%)



- Red (80%)
- Yellow (91%)
- Blue (77%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9583, 74.8706, 63.5876 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 69.9583, 74.8706, 63.5876 by changing the saturation by 10% instead.

■ 69.9583, 74.8706,
63.5876

■ 69.9583, 74.8706,
63.5876

449.6723,
477.4727, 455.8654

■ 51.7720, 55.5069,
45.8727

118.1759,
126.1292, 111.6105

■ 37.0469, 39.8077,
31.7974

148.9379,
158.7928, 142.7557

■ 25.4177, 27.3886,
20.9433

184.6225,
196.6586, 179.2146

■ 16.5189, 17.8653,
12.8917

225.5951,
240.1108, 221.4059

■ 9.9852, 10.8533,
7.2242

272.2210,
289.5340, 269.7481

■ 5.4514, 5.9683,
3.5221

324.8656,

■ 2.5519, 2.8258,

345.3124, 324.6597

1.3670

383.8942,
407.8305, 386.5593

■ 0.9215, 1.0415,
0.1158

■ 0.0000, 0.0000,
0.0000

■ 69.9583, 74.8706,
63.5876

■ 69.9583, 74.8706,
63.5876

■ 66.4243, 71.7185,
50.3363

■ 73.9283, 78.2442,
78.9871

■ 63.3017, 68.7701,
39.1313

■ 78.3456, 81.8365,
96.6208

■ 60.5724, 66.0205,
29.8699

■ 81.3549, 84.9082,
106.7088

■ 58.2146, 63.4608,
22.4384

■ 82.5492, 87.2969,
107.1069

■ 56.2045, 61.0809,
16.7110

■ 83.7705, 89.7394,
107.5140

■ 54.5148, 58.8698,
12.5465

■ 85.0189, 92.2363,
107.9302

■ 53.1144, 56.8146,
9.7805

■ 86.2947, 94.7878,
108.3554

■ 51.9647, 54.8997,
8.2122

■ 86.7653, 95.7291,
108.5123

■ 51.4268, 53.9321,
7.6994

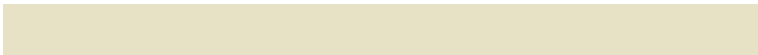
Harmonies

Analogous

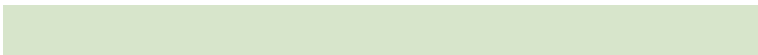
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5331, 74.8706, 64.3279



69.9583, 74.8706, 63.5876



66.8119, 74.8706, 67.3347

Triad

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



69.9583, 74.8706, 63.5876



66.0190, 74.8706, 94.9166



77.8443, 74.8706, 88.4232

Complementary

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



69.9583, 74.8706, 63.5876



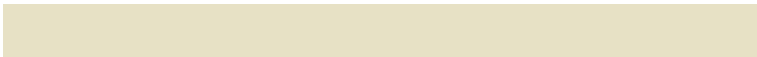
58.8056, 60.3506, 84.1514

Split Complementary

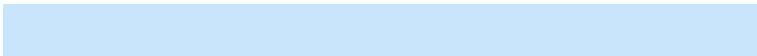
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6975, 74.8706, 97.5725



69.9583, 74.8706, 63.5876



68.8430, 74.8706, 101.5341

Square

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



69.9583, 74.8706, 63.5876



64.5887, 74.8706, 85.0384



72.3800, 74.8706, 102.5449



78.1674, 74.8706, 78.1026

Rectangle

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



69.9583, 74.8706, 63.5876



65.3506, 74.8706, 72.0739



72.3800, 74.8706, 102.5449



77.3087, 74.8706, 91.7603

Sweetspot

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



69.9603, 74.8739, 63.5892



92.8798, 98.2182, 100.2889



63.7295, 61.2454, 65.1095



19.7949, 20.9521, 21.1302



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.



69.9603, 74.8739, 63.5892



85.9931, 92.3326, 73.6762



68.2407, 76.4359, 63.9813



15.3741, 16.3620, 15.2523



28.9126, 30.3993, 4.3438



2.1935, 2.3602, 0.3400

Inverse Universe

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



58.8056, 60.3506, 84.1514



69.2356, 70.5155, 104.5695



60.3379, 59.0792, 83.8253



13.7873, 14.2960, 18.1771



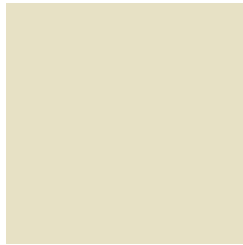
8.5887, 4.2395, 42.7488



0.6952, 0.4342, 3.1791

Previews

White Background



This preview shows how the XYZ color 69.9583, 74.8706, 63.5876 looks on a white background.

Color Contrast Check

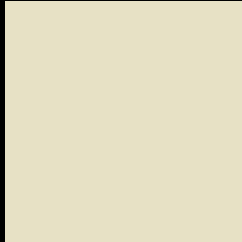
Large Text (above 18pt) WCAG AA × Fail

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 69.9583, 74.8706, 63.5876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

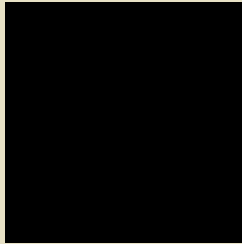
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9583, 74.8706, 63.5876

Background



This preview shows how black text looks on a background with the XYZ color 69.9583, 74.8706, 63.5876.

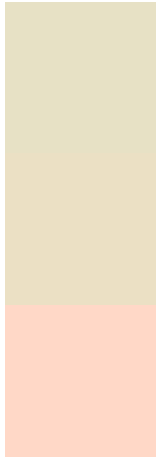


This preview shows how white text looks on a background with the XYZ color 69.9583, 74.8706,

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

69.9583, 74.8706, 63.5876

Protanopia

70.8804, 74.9590, 62.9573

Deuteranopia

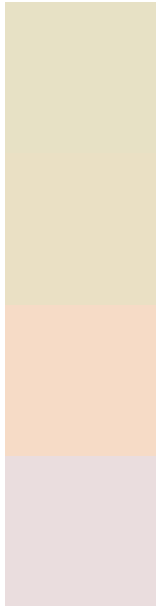
76.1047, 74.4953, 64.4007



Tritanopia

75.2097, 74.6103, 90.5580

Trichromacy



Original Color

69.9583, 74.8706, 63.5876

Protanomaly

70.5511, 74.7893, 62.9419

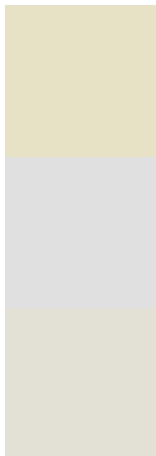
Deuteranomaly

73.5306, 74.3331, 63.8983

Tritanomaly

72.9730, 74.4793, 79.6371

Monochromacy



Original Color

69.9583, 74.8706, 63.5876

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4718, 74.4972, 74.2835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9583, 74.8706, 63.5876 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(231, 225, 197)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 197)  
}
```

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(231, 225, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 197) }
```

Border

The CSS property to change the border of an element to XYZ 69.9583, 74.8706, 63.5876 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(231, 225, 197) }
```


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

```
.border{ border-color:rgb(231, 225, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 225, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 225, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 225, 197); box-shadow:4px 4px 4px 4px rgb(231, 225, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9583, 74.8706, 63.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 197) }
```

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

```
.background{ background-color: rgb(231,  
225, 197) }
```

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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