

Converting Colors

XYZ(70.9155, 77.0909, 63.1045)

Have a look what the booklet for
XYZ(70.9155, 77.0909, 63.1045)
contains.

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Color

**XYZ(70.9381, 77.0131,
63.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E5C4
RGB	231, 229, 196
RGB Percent	91%, 90%, 77%
CMY	0.0941, 0.1019, 0.2314
CMYK	0.00, 0.01, 0.15, 0.09
HSL	57°, 42%, 84%
HSV	57°, 15%, 91%
XYZ	70.9381, 77.0131, 63.3507
YIQ	225.8360, 11.7850, -9.8390

Conversions

Conversions Part 2

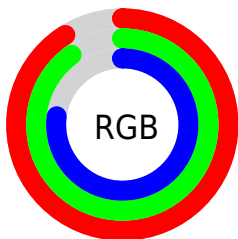
Format	Color
RYB	198, 231, 196
Decimal	15197636
CIELab	90.33, -4.77, 16.36
CIELCh	90, 17.038, 106.248
Yxy	77.0131, 0.3357, 0.3645
Android (android.graphics.Color)	4293387716 (0xFFE7E5C4)
YUV	225.8360, -14.7091, 4.5288
Hunter-Lab	87.7571, -9.2852, 18.6293

Details

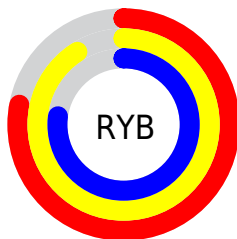
The XYZ color **70.9381, 77.0131, 63.3507** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.3826, 57.8922, 83.7517**, and the grayscale version is **72.2690, 76.0326, 82.7995**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **37.6977, 41.3391, 31.5835** is the 20% darker color. If you saturate the color by 10%, you get **68.1465, 75.3183, 50.4315**, and if you desaturate by 10%, it is **74.1415, 78.8822, 78.4063**.

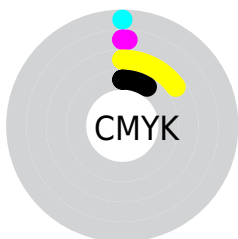
Distribution



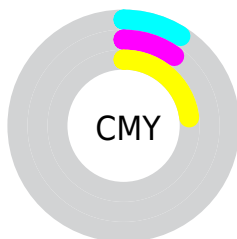
- Red (91%)
- Green (90%)
- Blue (77%)



- Red (78%)
- Yellow (91%)
- Blue (77%)



- Cyan (0%)
- Magenta (1%)
- Yellow (15%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9381, 77.0131, 63.3507 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 70.9381, 77.0131, 63.3507 by changing the saturation by 10% instead.

70.9381, 77.0131,
63.3507

70.9381, 77.0131,
63.3507

453.0522,
484.8087, 454.9841

52.5740, 57.2636,
45.6822

119.5646,
129.1580, 111.2658

37.6889, 41.2169,
31.6482

150.5577,
162.3222, 142.3494

25.9175, 28.4886,
20.8304

186.4912,
200.7267, 178.7417

16.8943, 18.6943,
12.8100

227.7305,
244.7560, 220.8614

10.2540, 11.4496,
7.1687

274.6409,
294.7945, 269.1270

5.6312, 6.3701,
3.4878

327.5877,

2.6607, 3.0714,

351.2265, 323.9569

1.3488

386.9364,
414.4364, 385.7697

■ 0.9770, 1.1691,
0.1013

■ 0.0000, 0.0363,
0.0000

■ 70.9381, 77.0131,
63.3507

■ 70.9381, 77.0131,
63.3507

■ 68.1465, 75.3183,
50.4315

■ 74.1415, 78.8822,
78.4063

■ 65.7421, 73.7802,
39.5465

■ 77.7677, 80.9222,
95.6843

■ 63.7069, 72.3942,
30.5926

■ 80.1316, 82.4618,
106.3011

■ 62.0193, 71.1517,
23.4557

■ 80.5057, 83.2099,
106.4258

60.6555, 70.0430,
18.0097

80.8825, 83.9636,
106.5514

59.5882, 69.0574,
14.1124

81.2621, 84.7228,
106.6779

58.7863, 68.1822,
11.5984

81.6445, 85.4877,
106.8054

58.2110, 67.4020,
10.2646

82.0298, 86.2581,
106.9338

57.9837, 67.0459,
9.8851

82.4178, 87.0342,
107.0631

Harmonies

Analogous

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



75.1565, 77.0131, 63.1323



70.9381, 77.0131, 63.3507



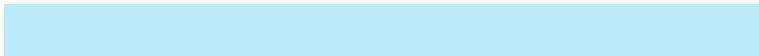
67.4585, 77.0131, 68.7025

Triad

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



70.9381, 77.0131, 63.3507



67.6969, 77.0131, 101.9022



81.4183, 77.0131, 89.5359

Complementary

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



70.9381, 77.0131, 63.3507



57.3826, 57.8922, 83.7517

Split Complementary

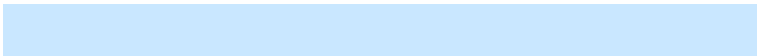
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2555, 77.0131, 101.0842



70.9381, 77.0131, 63.3507



71.2750, 77.0131, 108.6765

Square

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



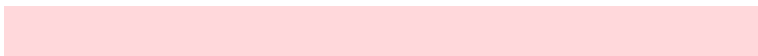
70.9381, 77.0131, 63.3507



65.6373, 77.0131, 90.5676



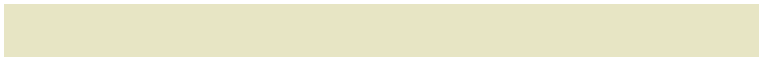
75.5067, 77.0131, 108.3635



81.3195, 77.0131, 77.4810

Rectangle

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



70.9381, 77.0131, 63.3507



65.9777, 77.0131, 74.7851



75.5067, 77.0131, 108.3635



80.9281, 77.0131, 93.6283

Sweetspot

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



70.9402, 77.0165, 63.3523



92.8332, 98.7430, 98.3679



62.9273, 60.5624, 62.0020



19.8058, 21.0982, 20.7501



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.



70.9402, 77.0165, 63.3523



87.6921, 95.7305, 74.2425



66.8101, 75.7115, 63.3181



15.5276, 16.6690, 15.3035



32.5379, 37.6500, 5.5522



2.4260, 2.8253, 0.4175

Inverse Universe

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



57.3826, 57.8922, 83.7517



67.8454, 67.7351, 104.1061



61.0764, 59.1239, 83.7948



13.6484, 14.0183, 18.1308



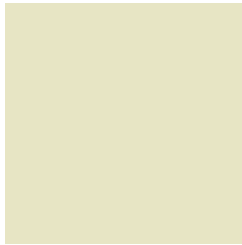
8.1966, 3.4553, 42.6181



0.6291, 0.3021, 3.1571

Previews

White Background



This preview shows how the XYZ color 70.9381, 77.0131, 63.3507 looks on a white background.

Color Contrast Check

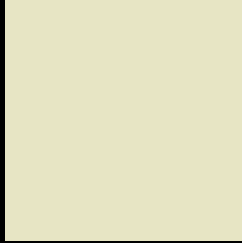
Large Text (above 18pt) WCAG AA × Fail

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 70.9381, 77.0131, 63.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

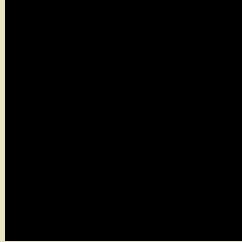
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9381, 77.0131, 63.3507

Background



This preview shows how black text looks on a background with the XYZ color 70.9381, 77.0131, 63.3507.



This preview shows how white text looks on a background with the XYZ color 70.9381, 77.0131,

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

70.9381, 77.0131, 63.3507

Protanopia

72.9160, 77.2290, 62.6934

Deuteranopia

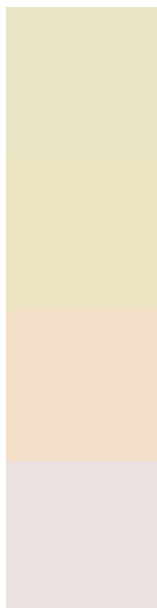
77.6127, 76.7582, 67.2251



Tritanopia

77.0409, 77.0711, 93.2538

Trichromacy



Original Color

70.9381, 77.0131, 63.3507

Protanomaly

72.1858, 77.2598, 62.7378

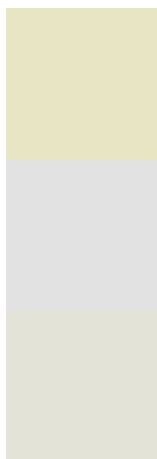
Deuteranomaly

74.8190, 76.5383, 65.4736

Tritanomaly

74.6407, 76.8944, 81.4291

Monochromacy



Original Color

70.9381, 77.0131, 63.3507

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.7297, 76.3384, 75.2442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9381, 77.0131, 63.3507 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, 229, 196)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 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(231, 229, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 196) }
```

Border

The CSS property to change the border of an element to XYZ 70.9381, 77.0131, 63.3507 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, 229, 196) }
```


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

```
.border{ border-color:rgb(231, 229, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 229, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 229, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 229, 196); box-shadow:4px 4px 4px 4px rgb(231, 229, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9381, 77.0131, 63.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 196) }
```

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

```
.background{ background-color: rgb(231,  
229, 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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