

Converting Colors

XYZ(73.7837, 77.9136, 71.2024)

Have a look what the booklet for
XYZ(73.7837, 77.9136, 71.2024)
contains.

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Color

**XYZ(73.8441, 77.9231,
71.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE4D1
RGB	236, 228, 209
RGB Percent	93%, 89%, 82%
CMY	0.0745, 0.1059, 0.1804
CMYK	0.00, 0.03, 0.11, 0.07
HSL	42°, 42%, 87%
HSV	42°, 11%, 93%
XYZ	73.8441, 77.9231, 71.4703
YIQ	228.2260, 10.8670, -4.2130

Conversions

Conversions Part 2

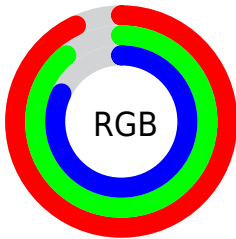
Format	Color
R_{YB}	220, 236, 209
Decimal	15525073
CIE _{Lab}	90.74, -0.45, 10.23
CIE _{LCh}	91, 10.239, 92.547
Yxy	77.9231, 0.3308, 0.3491
Android (android.graphics.Color)	4293715153 (0xFFECE4D1)
YUV	228.2260, -9.4784, 6.8178
Hunter-Lab	88.2741, -5.1586, 13.7882

Details

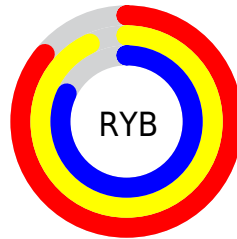
The XYZ color **73.8441, 77.9231, 71.4703** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.2476, 69.2360, 89.2299**, and the grayscale version is **73.9716, 77.8239, 84.7502**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6824, 41.9570, 37.0174** is the 20% darker color. If you saturate the color by 10%, you get **69.2528, 73.0747, 56.5764**, and if you desaturate by 10%, it is **78.9503, 83.1070, 88.6731**.

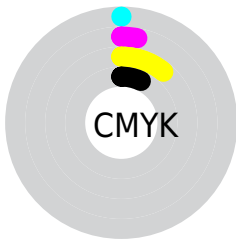
Distribution



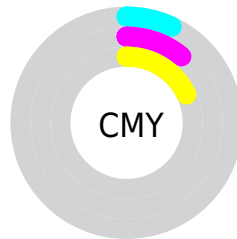
- Red (93%)
- Green (89%)
- Blue (82%)



- Red (86%)
- Yellow (93%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8441, 77.9231, 71.4703 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 73.8441, 77.9231, 71.4703 by changing the saturation by 10% instead.

73.8441, 77.9231,
71.4703

73.8441, 77.9231,
71.4703

462.9938,
487.9056, 484.6237

54.9573, 58.0108,
52.2419

123.6715,
130.4417, 123.0038

39.6012, 41.8173,
36.8144

155.3427,
163.8168, 156.1461

27.4106, 28.9583,
24.7691

192.0062,
202.4483, 194.7633

18.0200, 19.0493,
15.6877

234.0272,
246.7206, 239.2741

11.0641, 11.7059,
9.1515

281.7711,
297.0181, 290.0970

6.1776, 6.5437,
4.7419

335.6032,

2.9951, 3.1784,

353.7252, 347.6505

2.0406

395.8890,
417.2262, 412.3533

■ 1.1511, 1.2256,
0.5801

■ 0.0673, 0.0825,
0.0000

■ 73.8441, 77.9231,
71.4703

■ 73.8441, 77.9231,
71.4703

■ 69.2528, 73.0747,
56.5764

■ 78.9503, 83.1070,
88.6731

■ 65.1501, 68.5421,
43.8862

■ 84.3895, 88.5473,
107.2513

■ 61.5169, 64.3187,
33.2938

■ 86.5094, 92.7870,
107.9579

■ 58.3301, 60.3938,
24.6825

■ 88.4024, 96.5730,
108.5889

■ 55.5645, 56.7558,
17.9242

■ 53.1920, 53.3919,
12.8757

■ 51.1804, 50.2876,
9.3723

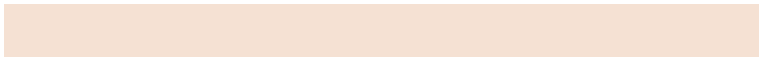
■ 49.4913, 47.4259,
7.2169

■ 48.2493, 45.1469,
6.1712

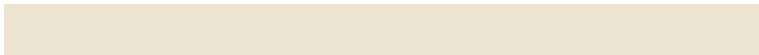
Harmonies

Analogous

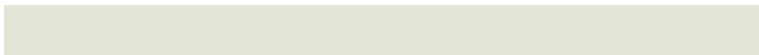
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3665, 77.9231, 72.8894



73.8441, 77.9231, 71.4703



71.4353, 77.9231, 73.4595

Triad

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



73.8441, 77.9231, 71.4703



69.9734, 77.9231, 92.6933



78.5384, 77.9231, 91.5422

Complementary

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



73.8441, 77.9231, 71.4703



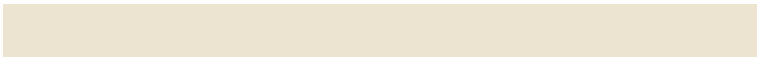
66.2476, 69.2360, 89.2299

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.



76.7555, 77.9231, 97.3501



73.8441, 77.9231, 71.4703



71.8074, 77.9231, 98.0412

Square

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



73.8441, 77.9231, 71.4703



69.2331, 77.9231, 85.4757



74.2835, 77.9231, 99.7921



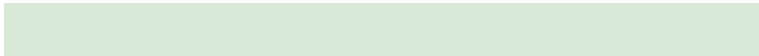
79.1137, 77.9231, 84.2174

Rectangle

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



73.8441, 77.9231, 71.4703



70.2074, 77.9231, 76.5219



74.2835, 77.9231, 99.7921



78.0584, 77.9231, 93.7508

Sweetspot

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



73.8462, 77.9265, 71.4720



93.1241, 98.0801, 102.3023



69.9309, 68.4499, 75.2413



19.8243, 20.8847, 21.5289



0.0000, 0.0000, 0.0000



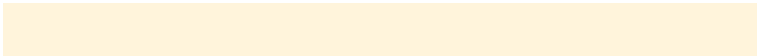
20.3446, 21.4041, 23.3091

Same Dimension

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



73.8462, 77.9265, 71.4720



86.5454, 91.3496, 80.2959



74.3310, 81.5177, 72.1396



15.9535, 16.8299, 15.9264



26.7135, 25.1213, 3.4409



2.1806, 2.1385, 0.2978

Inverse Universe

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



66.2476, 69.2360, 89.2299



75.6149, 78.8490, 105.8418



65.7903, 66.0146, 88.6322



14.5947, 15.2759, 19.1016



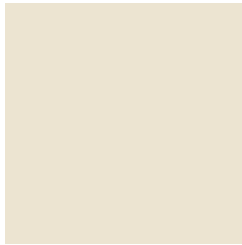
9.6469, 5.9408, 44.3812



0.8385, 0.6285, 3.5120

Previews

White Background



This preview shows how the XYZ color 73.8441, 77.9231, 71.4703 looks on a white background.

Color Contrast Check

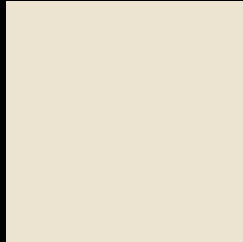
Large Text (above 18pt) WCAG AA × Fail

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 73.8441, 77.9231, 71.4703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

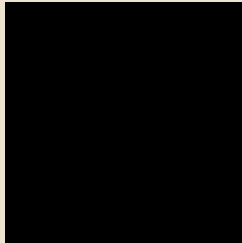
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

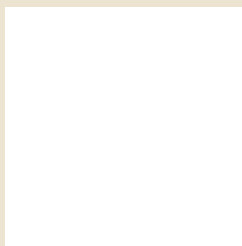
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.8441, 77.9231, 71.4703

Background



This preview shows how black text looks on a background with the XYZ color 73.8441, 77.9231, 71.4703.



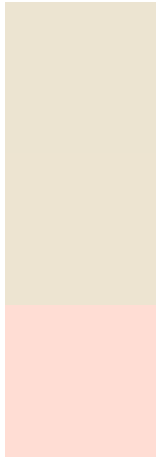
This preview shows how white text looks on a background with the XYZ color 73.8441, 77.9231,

71.4703.

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

73.8441, 77.9231, 71.4703

Protanopia

74.1771, 78.0948, 71.4858

Deuteranopia

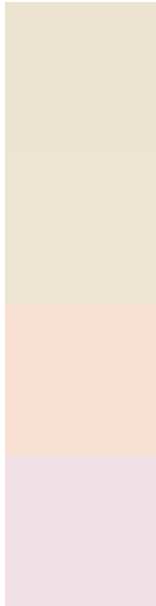
78.9801, 77.7264, 73.1273



Tritanopia

78.2000, 77.6515, 94.0857

Trichromacy



Original Color

73.8441, 77.9231, 71.4703

Protanomaly

74.1771, 78.0948, 71.4858

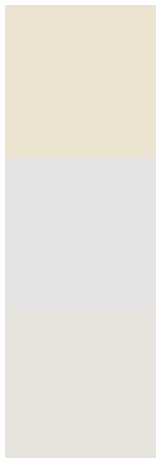
Deuteranomaly

77.1249, 77.9709, 72.6130

Tritanomaly

76.6647, 77.8583, 85.1162

Monochromacy



Original Color

73.8441, 77.9231, 71.4703

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.7495, 77.6962, 79.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8441, 77.9231, 71.4703 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(236, 228, 209) looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 209)  
}
```

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(236, 228, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 209) }
```

Border

The CSS property to change the border of an element to XYZ 73.8441, 77.9231, 71.4703 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(236, 228, 209) }
```


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

```
.border{ border-color:rgb(236, 228, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 228, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 209);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8441, 77.9231, 71.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 209) }
```

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

```
.background{ background-color: rgb(236,  
228, 209) }
```

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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