

Converting Colors

XYZ(78.5098, 82.1017, 70.8474)

Have a look what the booklet for
XYZ(78.5098, 82.1017, 70.8474)
contains.

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Color

**XYZ(78.4769, 81.9924,
70.7214)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E8CF
RGB	247, 232, 207
RGB Percent	97%, 91%, 81%
CMY	0.0314, 0.0902, 0.1882
CMYK	0.00, 0.06, 0.16, 0.03
HSL	38°, 71%, 89%
HSV	38°, 16%, 97%
XYZ	78.4769, 81.9924, 70.7214
YIQ	233.6350, 16.9650, -4.5950

Conversions

Conversions Part 2

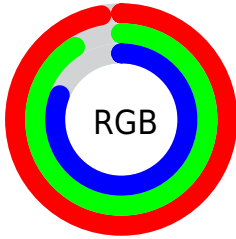
Format	Color
R _Y B	231, 247, 207
Decimal	16246991
CIE Lab	92.57, 1.09, 13.99
CIE LCh	93, 14.030, 85.546
Yxy	81.9924, 0.3394, 0.3547
Android (android.graphics.Color)	4294437071 (0xFF7E8CF)
YUV	233.6350, -13.1311, 11.7211
Hunter-Lab	90.5497, -3.7608, 17.0779

Details

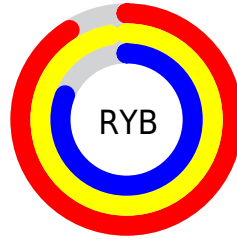
The XYZ color **78.4769, 81.9924, 70.7214** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.6416, 72.2218, 98.3188**, and the grayscale version is **78.0198, 82.0829, 89.3883**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5103, 44.2977, 36.4468** is the 20% darker color. If you saturate the color by 10%, you get **73.1528, 75.8042, 55.1957**, and if you desaturate by 10%, it is **84.4152, 88.6515, 88.7844**.

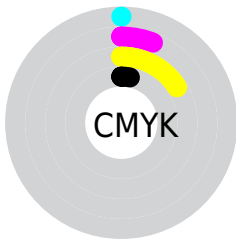
Distribution



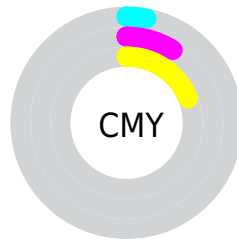
- Red (97%)
- Green (91%)
- Blue (81%)



- Red (91%)
- Yellow (97%)
- Blue (81%)



- Cyan (0%)
- Magenta (6%)
- Yellow (16%)
- Black (3%)





- Cyan (3%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4769, 81.9924, 70.7214 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 78.4769, 81.9924, 70.7214 by changing the saturation by 10% instead.


 78.4769, 81.9924,
70.7214

 78.4769, 81.9924,
70.7214


478.6000,
501.6223, 481.9363

 58.7700, 61.3593,
51.6344


130.1840,
136.1633, 121.9277

 42.6736, 44.5152,
36.3335


162.9149,
170.4699, 154.8841

 29.8225, 31.0757,
24.4002


200.7178,
210.1032, 193.3007

 19.8513, 20.6565,
15.4158

243.9580,
255.4474, 237.5962

 12.3947, 12.8732,
8.9619

293.0010,
306.8870, 288.1889

 7.0872, 7.3413,
4.6198

348.2121,

 3.5635, 3.6764,

364.8064, 345.4975

1.9712

409.9567,
429.5901, 409.9404

■ 1.4583, 1.4943,
0.5375

■ 0.2972, 0.2847,
0.0000

■ 78.4769, 81.9924,
70.7214

■ 78.4769, 81.9924,
70.7214

■ 73.1528, 75.8042,
55.1957

■ 84.4152, 88.6515,
88.7844

■ 68.4123, 70.0631,
42.0861

■ 90.7571, 95.6924,
108.2948

■ 64.2319, 64.7590,
31.2690

■ 92.1681, 98.5143,
108.7651

■ 60.5835, 59.8772,
22.6080

■ 57.4364, 55.4017,
15.9518

■ 54.7559, 51.3150,
11.1295

■ 52.5017, 47.5973,
7.9411

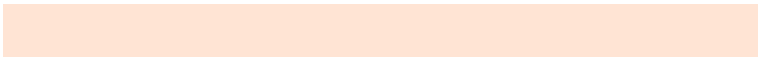
■ 50.6245, 44.2247,
6.1380

■ 49.9807, 43.0197,
5.6694

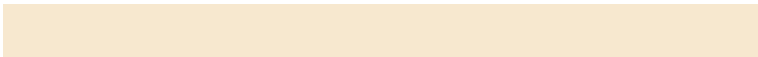
Harmonies

Analogous

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



81.9642, 81.9924, 73.7257



78.4769, 81.9924, 70.7214



74.9477, 81.9924, 72.3621

Triad

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



78.4769, 81.9924, 70.7214



71.7771, 81.9924, 98.2148



83.8548, 81.9924, 101.1204

Complementary

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



78.4769, 81.9924, 70.7214



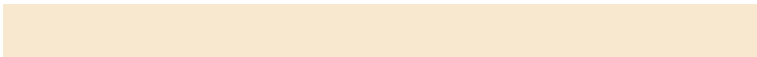
68.6416, 72.2218, 98.3188

Split Complementary

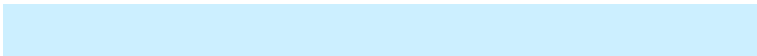
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9931, 81.9924, 108.6388



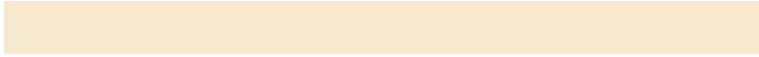
78.4769, 81.9924, 70.7214



74.0329, 81.9924, 106.8717

Square

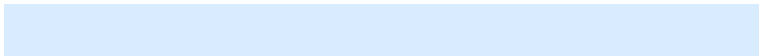
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4769, 81.9924, 70.7214



71.1503, 81.9924, 87.7260



77.3883, 81.9924, 110.8209



85.1300, 81.9924, 90.8438

Rectangle

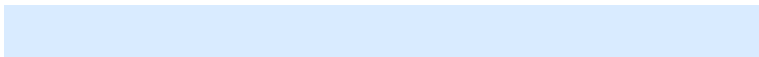
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4769, 81.9924, 70.7214



73.0345, 81.9924, 75.9428



77.3883, 81.9924, 110.8209



83.0422, 81.9924, 104.0845

Sweetspot

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



78.4791, 81.9960, 70.7231



91.5587, 96.1941, 97.9430



73.9011, 69.6927, 78.8997



19.4953, 20.4772, 20.6466



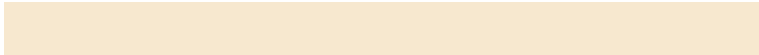
0.0000, 0.0000, 0.0000



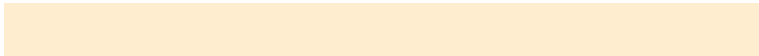
20.3446, 21.4041, 23.3091

Same Dimension

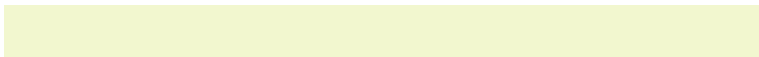
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4791, 81.9960, 70.7231



82.6846, 86.2171, 71.0271



81.2565, 89.9636, 72.1146



17.3622, 18.2086, 17.3971



26.5739, 23.0333, 3.0453



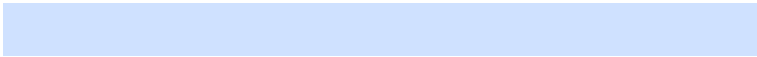
2.4341, 2.2214, 0.3005

Inverse Universe

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



68.6416, 72.2218, 98.3188



70.5042, 74.1160, 105.1976



66.1577, 65.2898, 97.1117



16.0901, 16.9445, 20.9651



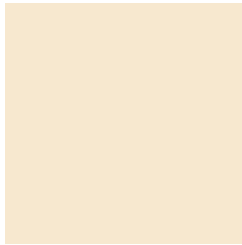
11.0555, 7.9048, 47.4811



1.0670, 0.8855, 4.2049

Previews

White Background



This preview shows how the XYZ color 78.4769, 81.9924, 70.7214 looks on a white background.

Color Contrast Check

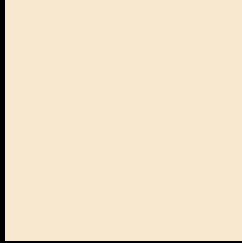
Large Text (above 18pt) WCAG AA × Fail

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 78.4769, 81.9924, 70.7214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

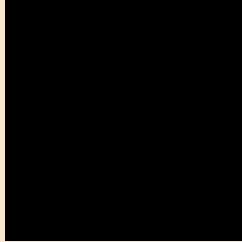
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4769, 81.9924, 70.7214

Background



This preview shows how black text looks on a background with the XYZ color 78.4769, 81.9924, 70.7214.



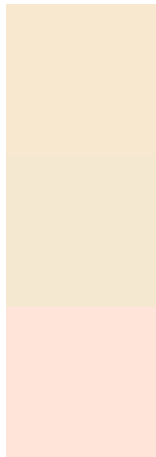
This preview shows how white text looks on a background with the XYZ color 78.4769, 81.9924,

70.7214.

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

78.4769, 81.9924, 70.7214

Protanopia

77.8323, 82.0650, 71.4124

Deuteranopia

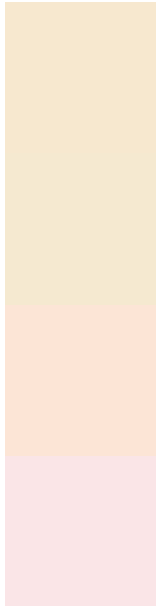
81.6383, 81.8088, 77.8175



Tritanopia

83.9431, 82.1653, 97.0232

Trichromacy



Original Color

78.4769, 81.9924, 70.7214

Protanomaly

78.1803, 82.2444, 71.4287

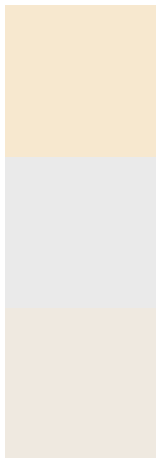
Deuteranomaly

80.3018, 81.5891, 75.1342

Tritanomaly

81.8675, 82.1321, 87.1395

Monochromacy



Original Color

78.4769, 81.9924, 70.7214

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.1901, 82.0104, 82.2295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4769, 81.9924, 70.7214 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(247, 232, 207)` looks like.

```
.text, #text, p{  
    color:rgb(247, 232, 207)  
}
```

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(247, 232, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 232, 207) }
```

Border

The CSS property to change the border of an element to XYZ 78.4769, 81.9924, 70.7214 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(247, 232, 207) }
```


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

```
.border{ border-color:rgb(247, 232, 207) }
```

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

Here you see how a box with a 4 pixel rgb(247, 232, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 232, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 232, 207);  
box-shadow:4px 4px 4px 4px rgb(247, 232,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4769, 81.9924, 70.7214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 232, 207) }
```

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

```
.background{ background-color: rgb(247,  
232, 207) }
```

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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