

Converting Colors

XYZ(77.7998, 82.0116, 71.3997)

Have a look what the booklet for
XYZ(77.7998, 82.0116, 71.3997)
contains.

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Color

**XYZ(77.8323, 82.0650,
71.4124)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E9D0
RGB	244, 233, 208
RGB Percent	96%, 91%, 82%
CMY	0.0431, 0.0863, 0.1843
CMYK	0.00, 0.05, 0.15, 0.04
HSL	42°, 62%, 89%
HSV	42°, 15%, 96%
XYZ	77.8323, 82.0650, 71.4124
YIQ	233.4390, 14.5810, -5.4430

Conversions

Conversions Part 2

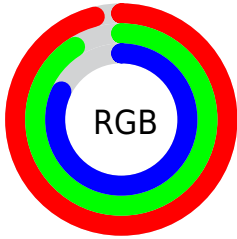
Format	Color
RYB	224, 244, 208
Decimal	16050640
CIELab	92.60, -0.34, 13.48
CIELCh	93, 13.484, 91.429
Yxy	82.0650, 0.3365, 0.3548
Android (android.graphics.Color)	4294240720 (0xFFFF4E9D0)
YUV	233.4390, -12.5414, 9.2620
Hunter-Lab	90.5897, -5.1696, 16.6742

Details

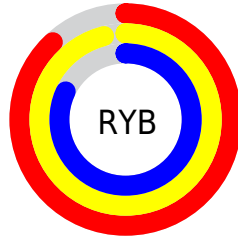
The XYZ color **77.8323, 82.0650, 71.4124** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.6728, 70.6031, 95.6496**, and the grayscale version is **77.8687, 81.9239, 89.2152**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2939, 44.4687, 36.9260** is the 20% darker color. If you saturate the color by 10%, you get **72.9937, 76.8276, 56.1108**, and if you desaturate by 10%, it is **83.2263, 87.6726, 89.1795**.

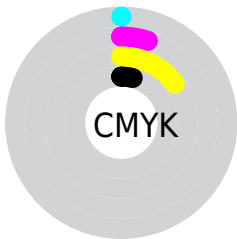
Distribution



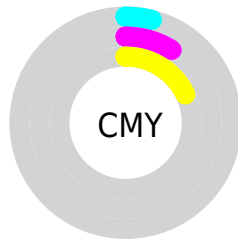
- Red (96%)
- Green (91%)
- Blue (82%)



- Red (88%)
- Yellow (96%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (15%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8323, 82.0650, 71.4124 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 77.8323, 82.0650, 71.4124 by changing the saturation by 10% instead.

77.8323, 82.0650,
71.4124

77.8323, 82.0650,
71.4124

476.4456,
501.8651, 484.4162

58.2385, 61.4191,
52.1949

129.2803,
136.2652, 122.9207

42.2444, 44.5635,
36.7772

161.8653,
170.5882, 156.0486

29.4847, 31.1137,
24.7406

199.5113,
210.2391, 194.6503

19.5939, 20.6855,
15.6666

242.5838,
255.6022, 239.1445

12.2067, 12.8943,
9.1368

291.4482,
307.0620, 289.9496

6.9578, 7.3558,
4.7325

346.4697,

3.4818, 3.6856,

365.0028, 347.4843

2.0352

408.0137,
429.8090, 412.1670

■ 1.4134, 1.4993,
0.5768

■ 0.2657, 0.2882,
0.0000

■ 77.8323, 82.0650,
71.4124

■ 77.8323, 82.0650,
71.4124

■ 72.9937, 76.8276,
56.1108

■ 83.2263, 87.6726,
89.1795

■ 68.6818, 71.9389,
43.1584

■ 88.8984, 93.5330,
107.9760

■ 64.8749, 67.3914,
32.4370

■ 91.1185, 97.9732,
108.7160

■ 61.5474, 63.1728,
23.8164

■ 58.6707, 59.2700,
17.1523

■ 56.2129, 55.6682,
12.2826

■ 54.1370, 52.3509,
9.0183

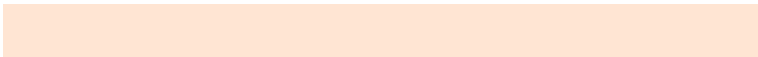
■ 52.3980, 49.2980,
7.1279

■ 51.5856, 47.7875,
6.5051

Harmonies

Analogous

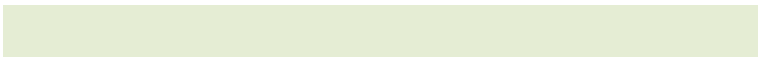
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2685, 82.0650, 73.4508



77.8323, 82.0650, 71.4124



74.5380, 82.0650, 73.8741

Triad

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



77.8323, 82.0650, 71.4124



72.3889, 82.0650, 99.8038



84.0711, 82.0650, 98.9086

Complementary

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



77.8323, 82.0650, 71.4124



67.6728, 70.6031, 95.6496

Split Complementary

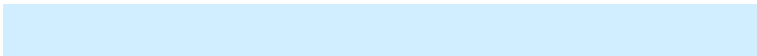
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5682, 82.0650, 106.8599



77.8323, 82.0650, 71.4124



74.8209, 82.0650, 107.4034

Square

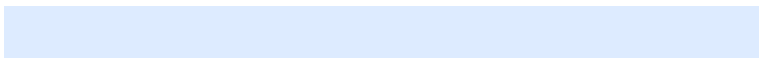
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8323, 82.0650, 71.4124



71.4541, 82.0650, 89.8372



78.1686, 82.0650, 110.0759



84.9347, 82.0650, 88.8742

Rectangle

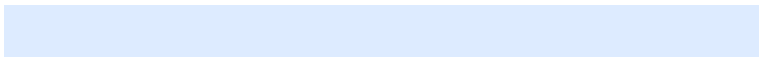
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8323, 82.0650, 71.4124



72.8481, 82.0650, 77.8512



78.1686, 82.0650, 110.0759



83.3899, 82.0650, 101.9392

Sweetspot

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



77.8345, 82.0686, 71.4141



92.4651, 97.3888, 100.1507



72.7039, 69.4815, 76.8746



19.6897, 20.7417, 21.0952



0.0000, 0.0000, 0.0000



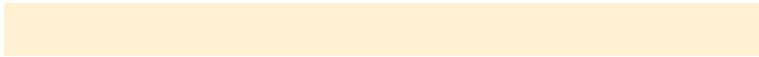
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8345, 82.0686, 71.4141



84.2108, 88.7679, 73.0821



78.7954, 87.3296, 72.3790



17.4626, 18.4094, 17.4306



28.1755, 26.2366, 3.5792



2.5668, 2.4869, 0.3447

Inverse Universe

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



67.6728, 70.6031, 95.6496



70.7922, 73.6287, 105.0884



66.7930, 66.0311, 94.8135



15.9939, 16.7521, 20.9331



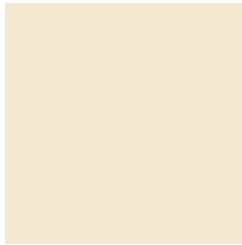
10.3348, 6.4634, 47.2409



0.9953, 0.7419, 4.1810

Previews

White Background



This preview shows how the XYZ color 77.8323, 82.0650, 71.4124 looks on a white background.

Color Contrast Check

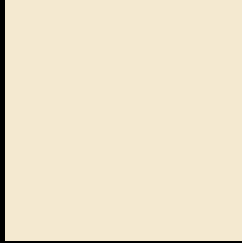
Large Text (above 18pt) WCAG AA × Fail

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 77.8323, 82.0650, 71.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

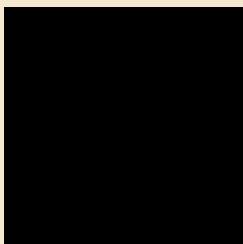
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

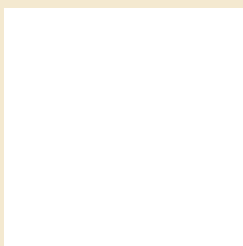
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8323, 82.0650, 71.4124

Background



This preview shows how black text looks on a background with the XYZ color 77.8323, 82.0650, 71.4124.



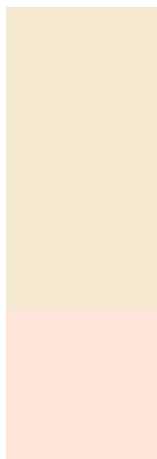
This preview shows how white text looks on a background with the XYZ color 77.8323, 82.0650,

71.4124.

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

77.8323, 82.0650, 71.4124

Protanopia

77.8323, 82.0650, 71.4124

Deuteranopia

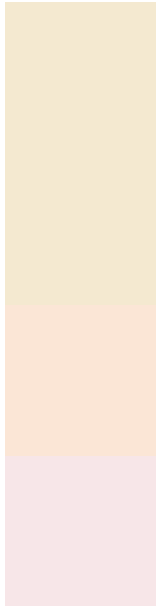
81.6383, 81.8088, 77.8175



Tritanopia

83.2918, 82.2191, 97.8661

Trichromacy



Original Color

77.8323, 82.0650, 71.4124

Protanomaly

77.8323, 82.0650, 71.4124

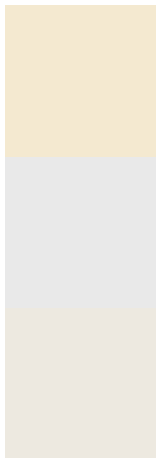
Deuteranomaly

80.2181, 81.9579, 75.2098

Tritanomaly

81.2201, 82.1940, 87.9282

Monochromacy



Original Color

77.8323, 82.0650, 71.4124

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5185, 81.6642, 82.1981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8323, 82.0650, 71.4124 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(244, 233, 208)` looks like.

```
.text, #text, p{  
    color:rgb(244, 233, 208)  
}
```

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(244, 233, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 233, 208) }
```

Border

The CSS property to change the border of an element to XYZ 77.8323, 82.0650, 71.4124 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(244, 233, 208) }
```


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

```
.border{ border-color:rgb(244, 233, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 233, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 233, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 233, 208);  
box-shadow:4px 4px 4px 4px rgb(244, 233,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8323, 82.0650, 71.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 233, 208) }
```

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

```
.background{ background-color: rgb(244,  
233, 208) }
```

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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