

Converting Colors

XYZ(81.8707, 85.1666, 72.5111)

Have a look what the booklet for
XYZ(81.8707, 85.1666, 72.5111)
contains.

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Color

**XYZ(81.7250, 84.9028,
72.4021)**

Conversions

Conversions Part 1

Format	Color
Hex	FDEBD1
RGB	253, 235, 209
RGB Percent	99%, 92%, 82%
CMY	0.0078, 0.0784, 0.1804
CMYK	0.00, 0.07, 0.17, 0.01
HSL	35°, 92%, 91%
HSV	35°, 17%, 99%
XYZ	81.7250, 84.9028, 72.4021
YIQ	237.4180, 19.0740, -4.2700

Conversions

Conversions Part 2

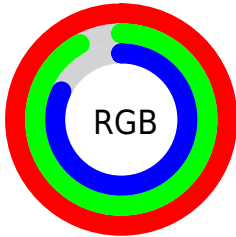
Format	Color
R _Y B	239, 253, 209
Decimal	16640977
CIE Lab	93.84, 2.00, 14.82
CIE LCh	94, 14.950, 82.308
Yxy	84.9028, 0.3419, 0.3552
Android (android.graphics.Color)	4294831057 (0xFFFDEBD1)
YUV	237.4180, -14.0101, 13.6654
Hunter-Lab	92.1427, -2.9311, 17.9122

Details

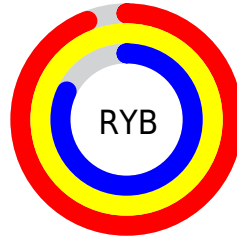
The XYZ color **81.7250, 84.9028, 72.4021** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.4928, 75.5836, 103.7502**, and the grayscale version is **80.9147, 85.1286, 92.7050**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8014, 46.3425, 37.5941** is the 20% darker color. If you saturate the color by 10%, you get **75.9619, 77.9973, 56.2350**, and if you desaturate by 10%, it is **88.1624, 92.3595, 91.2500**.

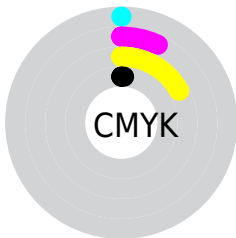
Distribution



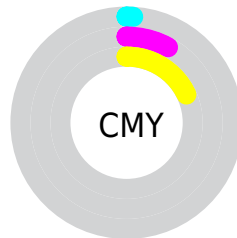
- Red (99%)
- Green (92%)
- Blue (82%)



- Red (94%)
- Yellow (99%)
- Blue (82%)



- Cyan (0%)
- Magenta (7%)
- Yellow (17%)
- Black (1%)





- Cyan (1%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7250, 84.9028, 72.4021 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 81.7250, 84.9028, 72.4021 by changing the saturation by 10% instead.


 81.7250, 84.9028,
72.4021

 81.7250, 84.9028,
72.4021


489.3758,
511.3064, 487.9551

 61.4522, 63.7611,
52.9984


134.7261,
140.2374, 124.3411

 44.8442, 46.4572,
37.4138


168.1852,
175.1990, 157.7134

 31.5354, 32.6067,
25.2297


206.7704,
215.5360, 196.5790

 21.1607, 21.8254,
16.0277

250.8471,
261.6329, 241.3564

 13.3547, 13.7286,
9.3892

300.7806,
313.8740, 292.4642

 7.7519, 7.9322,
4.8956

356.9363,

 3.9871, 4.0516,

372.6436, 350.3209

2.1285

419.6796,
438.3263, 415.3450

■ 1.6948, 1.7025,
0.6326

■ 0.4530, 0.4252,
0.0000

■ 81.7250, 84.9028,
72.4021

■ 81.7250, 84.9028,
72.4021

■ 75.9619, 77.9973,
56.2350

■ 88.1624, 92.3595,
91.2500

■ 70.8401, 71.6165,
42.6190

94.3183, 99.6228,
108.8658

■ 66.3335, 65.7481,
31.4216

■ 62.4113, 60.3749,
22.4961

■ 59.0398, 55.4784,
15.6797

■ 56.1808, 51.0380,
10.7876

■ 53.7898, 47.0307,
7.6023

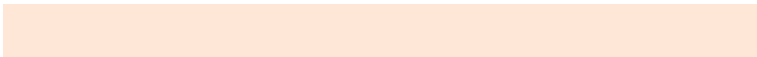
■ 51.8100, 43.4282,
5.8414

■ 51.3397, 42.5456,
5.5062

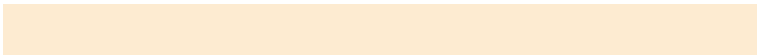
Harmonies

Analogous

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



85.4621, 84.9028, 76.1805



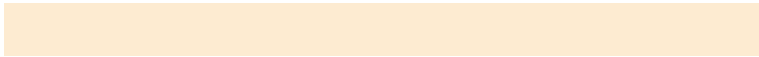
81.7250, 84.9028, 72.4021



77.8305, 84.9028, 73.6339

Triad

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



81.7250, 84.9028, 72.4021



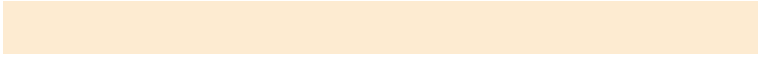
73.8300, 84.9028, 101.0065



86.8990, 84.9028, 106.4865

Complementary

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



81.7250, 84.9028, 72.4021



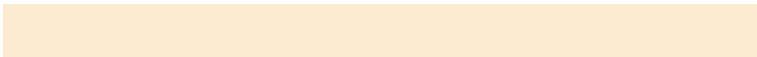
71.4928, 75.5836, 103.7502

Split Complementary

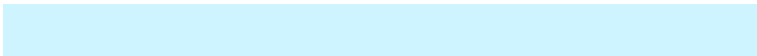
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6342, 84.9028, 114.2139



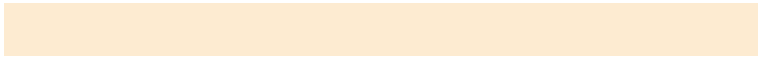
81.7250, 84.9028, 72.4021



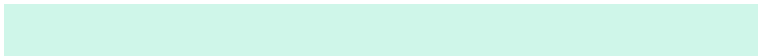
76.1134, 84.9028, 110.8733

Square

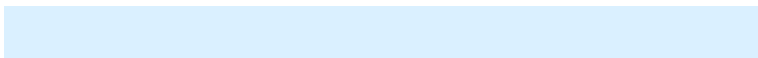
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7250, 84.9028, 72.4021



73.3567, 84.9028, 89.5455



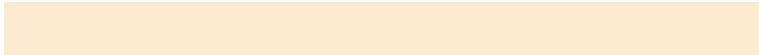
79.6788, 84.9028, 115.8818



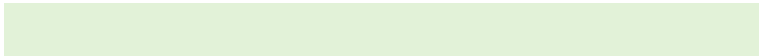
88.5126, 84.9028, 95.4059

Rectangle

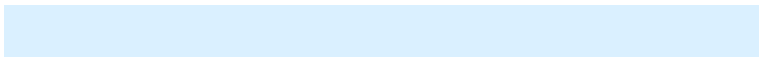
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7250, 84.9028, 72.4021



75.6606, 84.9028, 77.1812



79.6788, 84.9028, 115.8818



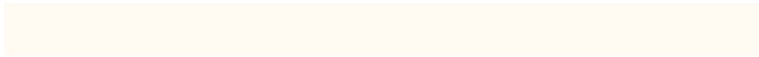
85.9532, 84.9028, 109.5985

Sweetspot

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



81.7273, 84.9066, 72.4039



91.4236, 95.9239, 97.8980



77.2206, 72.0492, 82.7524



19.4624, 20.4115, 20.6356



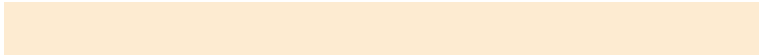
0.0000, 0.0000, 0.0000



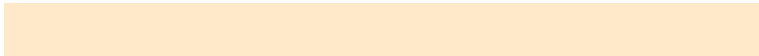
20.3446, 21.4041, 23.3091

Same Dimension

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



81.7273, 84.9066, 72.4039



81.0027, 83.8323, 67.4483



85.8205, 95.0558, 74.1472



18.9018, 19.7719, 18.9645



27.4576, 22.9265, 2.9781



2.7810, 2.4473, 0.3258

Inverse Universe

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



71.4928, 75.5836, 103.7502



68.7400, 72.6629, 105.0101



67.8751, 66.7903, 102.2436



17.6130, 18.5977, 22.9114



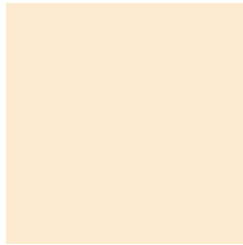
12.1713, 9.2522, 50.5789



1.2893, 1.1093, 4.9594

Previews

White Background



This preview shows how the XYZ color 81.7250, 84.9028, 72.4021 looks on a white background.

Color Contrast Check

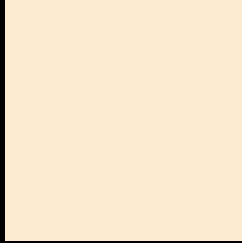
Large Text (above 18pt) WCAG AA × Fail

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 81.7250, 84.9028, 72.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

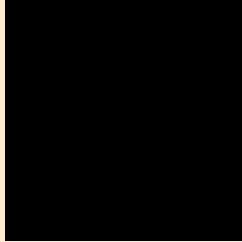
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7250, 84.9028, 72.4021

Background



This preview shows how black text looks on a background with the XYZ color 81.7250, 84.9028, 72.4021.

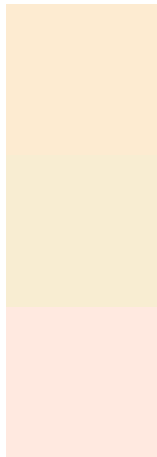


This preview shows how white text looks on a background with the XYZ color 81.7250, 84.9028,

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

81.7250, 84.9028, 72.4021

Protanopia

80.6284, 85.1780, 73.1642

Deuteranopia

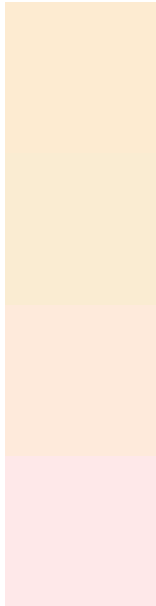
83.8335, 84.9196, 82.4936



Tritanopia

86.4505, 85.0656, 99.0517

Trichromacy



Original Color

81.7250, 84.9028, 72.4021

Protanomaly

81.0527, 84.9680, 73.1013

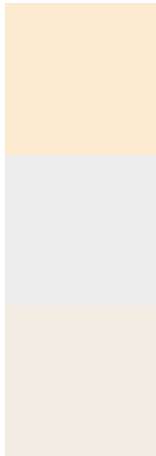
Deuteranomaly

83.0821, 85.0309, 79.0516

Tritanomaly

84.4376, 84.6672, 88.9829

Monochromacy



Original Color

81.7250, 84.9028, 72.4021

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.8227, 84.5916, 84.7411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7250, 84.9028, 72.4021 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(253, 235, 209)` looks like.

```
.text, #text, p{  
    color:rgb(253, 235, 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(253, 235, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 235, 209) }
```

Border

The CSS property to change the border of an element to XYZ 81.7250, 84.9028, 72.4021 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(253, 235, 209) }
```


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

```
.border{ border-color:rgb(253, 235, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 235, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 235, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 235, 209); box-shadow:4px 4px 4px 4px rgb(253, 235, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7250, 84.9028, 72.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 235, 209) }
```

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

```
.background{ background-color: rgb(253,  
235, 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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