

Converting Colors

XYZ(82.4196, 85.1325, 72.6488)

Have a look what the booklet for
XYZ(82.4196, 85.1325, 72.6488)
contains.

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Color

**XYZ(82.4570, 85.2801,
72.4364)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBD1
RGB	255, 235, 209
RGB Percent	100%, 92%, 82%
CMY	0.0000, 0.0784, 0.1804
CMYK	0.00, 0.08, 0.18, 0.00
HSL	34°, 100%, 91%
HSV	34°, 18%, 100%
XYZ	82.4570, 85.2801, 72.4364
YIQ	238.0160, 20.2660, -3.8460

Conversions

Conversions Part 2

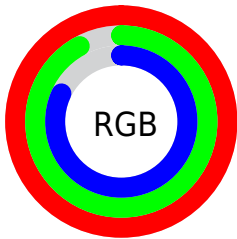
Format	Color
R_YB	244, 255, 209
Decimal	16772049
CIE Lab	94.00, 2.72, 15.07
CIE LCh	94, 15.310, 79.782
Yxy	85.2801, 0.3433, 0.3551
Android (android.graphics.Color)	4294962129 (0xFFFFEBD1)
YUV	238.0160, -14.3049, 14.8950
Hunter-Lab	92.3472, -2.2247, 18.1365

Details

The XYZ color **82.4570, 85.2801, 72.4364** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.3632, 76.8118, 105.6200**, and the grayscale version is **81.3784, 85.6164, 93.2363**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3252, 46.6125, 37.6186** is the 20% darker color. If you saturate the color by 10%, you get **76.4743, 77.9693, 56.0931**, and if you desaturate by 10%, it is **89.1467, 93.1958, 91.5105**.

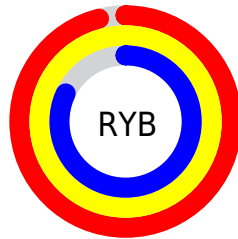
Distribution



Red (100%)

Green (92%)

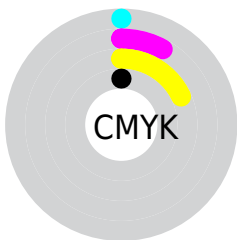
Blue (82%)



Red (96%)

Yellow (100%)

Blue (82%)

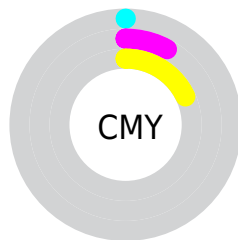


Cyan (0%)

Magenta (8%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4570, 85.2801, 72.4364 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 82.4570, 85.2801, 72.4364 by changing the saturation by 10% instead.


 82.4570, 85.2801,
72.4364

 82.4570, 85.2801,
72.4364


491.7864,
512.5544, 488.0774

 62.0577, 64.0728,
53.0262


135.7472,
140.7645, 124.3903

 45.3351, 46.7097,
37.4358


169.3687,
175.8103, 157.7710

 31.9239, 32.8062,
25.2467


208.1284,
216.2379, 196.6457

 21.4586, 21.9780,
16.0403

252.3916,
262.4315, 241.4330

 13.5740, 13.8408,
9.3980

302.5237,
314.7756, 292.5512

 7.9047, 8.0100,
4.9013

358.8899,

 4.0853, 4.1013,

373.6545, 350.4190

2.1318

421.8557,
439.4526, 415.4549

■ 1.7505, 1.7304,
0.6346

■ 0.4876, 0.4432,
0.0000

■ 82.4570, 85.2801,
72.4364

■ 82.4570, 85.2801,
72.4364

■ 76.4743, 77.9693,
56.0931

■ 89.1467, 93.1958,
91.5105

■ 71.1653, 71.2358,
42.3477

95.0500, 100.0000,
108.9000

■ 66.5022, 65.0655,
31.0642

■ 62.4529, 59.4395,
22.0918

■ 58.9819, 54.3373,
15.2631

■ 56.0494, 49.7366,
10.3876

■ 53.6087, 45.6120,
7.2407

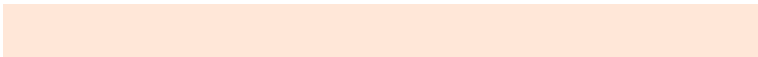
■ 51.5979, 41.9319,
5.5178

■ 51.2375, 41.2551,
5.2625

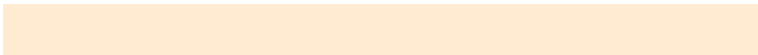
Harmonies

Analogous

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



86.2326, 85.2801, 76.7209



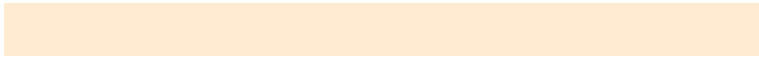
82.4570, 85.2801, 72.4364



78.4276, 85.2801, 73.2619

Triad

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



82.4570, 85.2801, 72.4364



73.8898, 85.2801, 100.6762



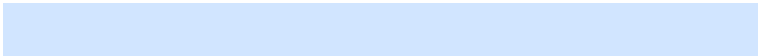
87.2010, 85.2801, 108.1454

Complementary

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



82.4570, 85.2801, 72.4364



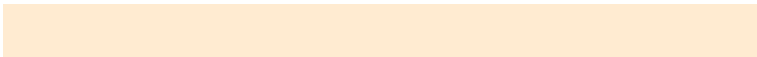
72.3632, 76.8118, 105.6200

Split Complementary

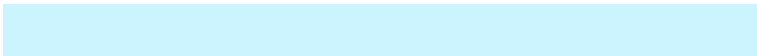
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7428, 85.2801, 115.6639



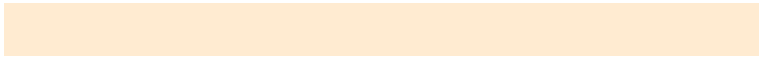
82.4570, 85.2801, 72.4364



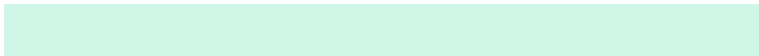
76.0912, 85.2801, 111.1071

Square

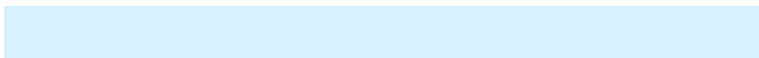
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4570, 85.2801, 72.4364



73.5717, 85.2801, 88.9234



79.6713, 85.2801, 116.7910



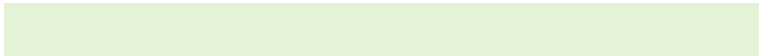
89.0318, 85.2801, 96.9019

Rectangle

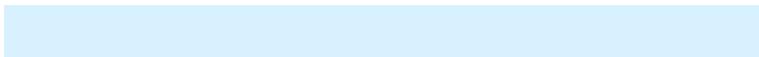
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4570, 85.2801, 72.4364



76.1350, 85.2801, 76.6243



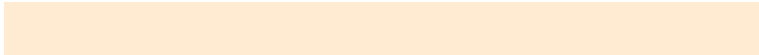
79.6713, 85.2801, 116.7910



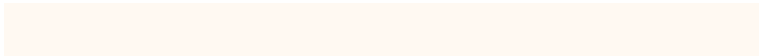
86.1850, 85.2801, 111.2308

Sweetspot

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



82.4590, 85.2837, 72.4382



91.3220, 95.7207, 97.8642



78.2819, 72.5582, 84.5222



19.4377, 20.3621, 20.6274



0.0000, 0.0000, 0.0000



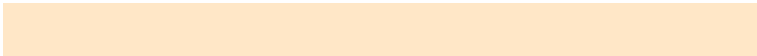
20.3446, 21.4041, 23.3091

Same Dimension

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



82.4590, 85.2837, 72.4382



80.0055, 82.3155, 65.6437



87.6678, 96.9499, 74.4155



18.8616, 19.6913, 18.9510



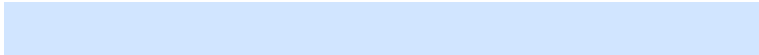
26.9240, 21.8593, 2.8002



2.7302, 2.3458, 0.3089

Inverse Universe

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



72.3632, 76.8118, 105.6200



68.0405, 72.2761, 104.9723



67.8015, 66.7154, 103.9116



17.6525, 18.6766, 22.9245



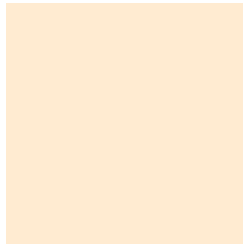
12.5347, 9.9790, 50.7001



1.3267, 1.1841, 4.9719

Previews

White Background



This preview shows how the XYZ color 82.4570, 85.2801, 72.4364 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 82.4570, 85.2801, 72.4364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

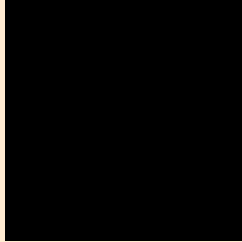
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.4570, 85.2801, 72.4364

Background



This preview shows how black text looks on a background with the XYZ color 82.4570, 85.2801, 72.4364.



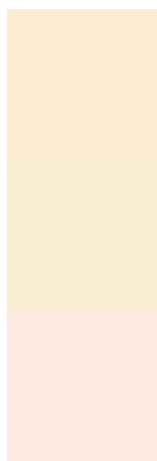
This preview shows how white text looks on a background with the XYZ color 82.4570, 85.2801,

72.4364.

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

82.4570, 85.2801, 72.4364

Protanopia

80.9840, 85.3613, 73.1808

Deuteranopia

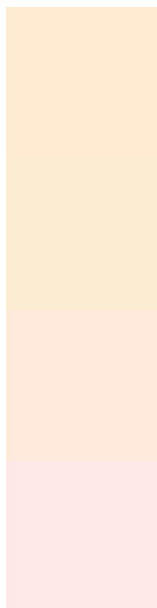
84.2534, 85.5419, 83.3048



Tritanopia

86.2973, 85.0044, 98.2453

Trichromacy



Original Color

82.4570, 85.2801, 72.4364

Protanomaly

81.4120, 85.1533, 73.1181

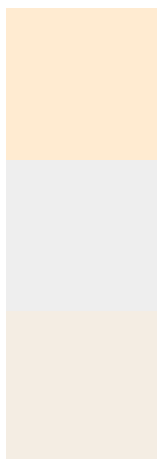
Deuteranomaly

83.4490, 85.2201, 79.0687

Tritanomaly

84.6621, 84.7994, 88.2497

Monochromacy



Original Color

82.4570, 85.2801, 72.4364

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.4575, 85.3475, 84.8535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.4570, 85.2801, 72.4364 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(255, 235, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 235, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 209) }
```

Border

The CSS property to change the border of an element to XYZ 82.4570, 85.2801, 72.4364 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(255, 235, 209) }
```


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

```
.border{ border-color:rgb(255, 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(255, 235, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 82.4570, 85.2801, 72.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 209) }
```

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

```
.background{ background-color: rgb(255,  
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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