

Converting Colors

XYZ(81.3998, 83.7108, 70.4036)

Have a look what the booklet for
XYZ(81.3998, 83.7108, 70.4036)
contains.

XYZ(81.2372, 83.4295, 70.2144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.2372, 83.4295,
70.2144)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8CE
RGB	255, 232, 206
RGB Percent	100%, 91%, 81%
CMY	0.0000, 0.0902, 0.1921
CMYK	0.00, 0.09, 0.19, 0.00
HSL	32°, 100%, 90%
HSV	32°, 19%, 100%
XYZ	81.2372, 83.4295, 70.2144
YIQ	235.9130, 22.0540, -3.2100

Conversions

Conversions Part 2

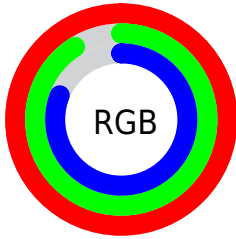
Format	Color
R_{YB}	249, 255, 206
Decimal	16771278
CIE _{Lab}	93.20, 3.81, 15.49
CIE _{LCh}	93, 15.951, 76.190
Yxy	83.4295, 0.3459, 0.3552
Android (android.graphics.Color)	4294961358 (0xFFFFE8CE)
YUV	235.9130, -14.7471, 16.7393
Hunter-Lab	91.3398, -1.0874, 18.3606

Details

The XYZ color **81.2372, 83.4295, 70.2144** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.5222, 76.3782, 105.5806**, and the grayscale version is **79.7615, 83.9153, 91.3838**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4815, 45.3234, 36.1096** is the 20% darker color. If you saturate the color by 10%, you get **75.1331, 75.7831, 54.1162**, and if you desaturate by 10%, it is **88.0773, 91.7430, 89.0395**.

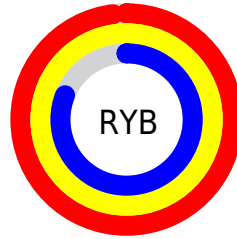
Distribution



Red (100%)

Green (91%)

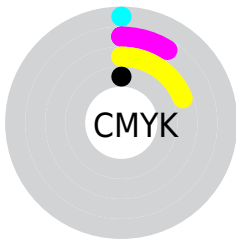
Blue (81%)



Red (98%)

Yellow (100%)

Blue (81%)

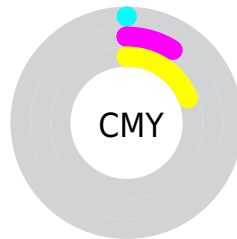


Cyan (0%)

Magenta (9%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.2372, 83.4295, 70.2144 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 81.2372, 83.4295, 70.2144 by changing the saturation by 10% instead.

 81.2372, 83.4295,
70.2144

 81.2372, 83.4295,
70.2144


487.7658,
506.4168, 480.1119

 61.0489, 62.5445,
51.2235


134.0452,
138.1769, 121.1984

 44.5173, 45.4728,
36.0085


167.3956,
172.8080, 154.0286

 31.2771, 31.8300,
24.1510

205.8642,
212.7900, 192.3089

 20.9628, 21.2317,
15.2325

249.8162,
258.5073, 236.4580

 13.2091, 13.2935,
8.8343

299.6170,
310.3442, 286.8942

 7.6507, 7.6309,
4.5379

355.6319,

 3.9222, 3.8597,

368.6852, 344.0363

1.9248

418.2265,
433.9146, 408.3027

■ 1.6582, 1.5954,
0.5085

■ 0.4299, 0.3545,
0.0000

■ 81.2372, 83.4295,
70.2144

■ 81.2372, 83.4295,
70.2144

■ 75.1331, 75.7831,
54.1162

■ 88.0773, 91.7430,
89.0395

■ 69.7303, 68.7741,
40.6107

95.0500, 100.0000,
108.9000

■ 64.9999, 62.3864,
29.5601

■ 60.9084, 56.5988,
20.8116

■ 57.4188, 51.3885,
14.1951

■ 54.4894, 46.7306,
9.5164

■ 52.0714, 42.5968,
6.5452

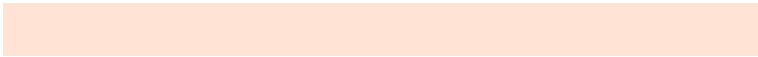
■ 50.0938, 38.9500,
4.9354

■ 49.9507, 38.6815,
4.8336

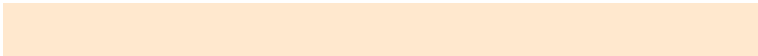
Harmonies

Analogous

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



85.0099, 83.4295, 75.1776



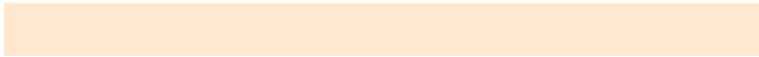
81.2372, 83.4295, 70.2144



77.0707, 83.4295, 70.4236

Triad

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



81.2372, 83.4295, 70.2144



71.8047, 83.4295, 97.4310



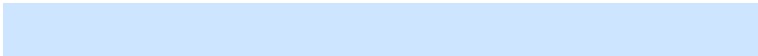
85.2581, 83.4295, 107.7791

Complementary

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



81.2372, 83.4295, 70.2144



71.5222, 76.3782, 105.5806

Split Complementary

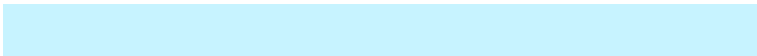
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5662, 83.4295, 114.8653



81.2372, 83.4295, 70.2144



73.8464, 83.4295, 108.5406

Square

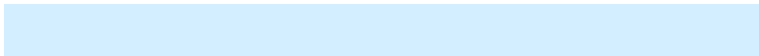
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2372, 83.4295, 70.2144



71.7236, 83.4295, 85.4400



77.3884, 83.4295, 115.1556



87.3861, 83.4295, 96.4640

Rectangle

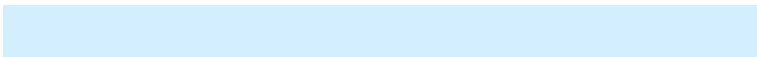
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2372, 83.4295, 70.2144



74.6319, 83.4295, 73.4524



77.3884, 83.4295, 115.1556



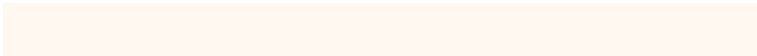
84.1531, 83.4295, 110.7767

Sweetspot

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



81.2392, 83.4331, 70.2161



90.4357, 94.5577, 95.6896



77.5504, 71.0990, 84.2668



19.2530, 20.1156, 20.1872



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.



81.2392, 83.4331, 70.2161



78.8434, 80.4609, 63.8087



87.8410, 97.0818, 72.5026



18.8075, 19.5832, 18.9330



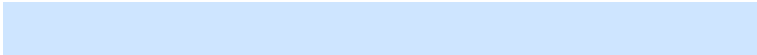
26.2513, 20.5138, 2.5760



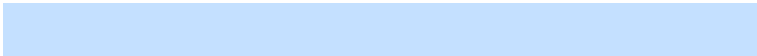
2.6654, 2.2162, 0.2873

Inverse Universe

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



71.5222, 76.3782, 105.5806



67.5276, 72.2458, 104.9935



65.8032, 64.6028, 103.6091



17.7058, 18.7833, 22.9423



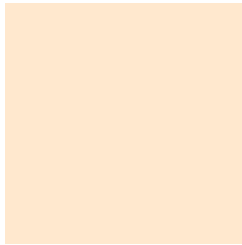
13.0665, 11.0427, 50.8774



1.3805, 1.2916, 4.9898

Previews

White Background



This preview shows how the XYZ color 81.2372, 83.4295, 70.2144 looks on a white background.

Color Contrast Check

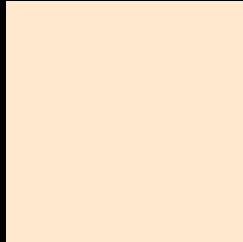
Large Text (above 18pt) WCAG AA × Fail

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 81.2372, 83.4295, 70.2144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

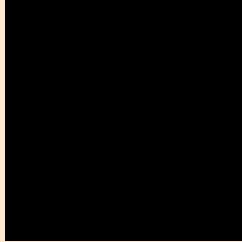
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.2372, 83.4295, 70.2144

Background



This preview shows how black text looks on a background with the XYZ color 81.2372, 83.4295, 70.2144.



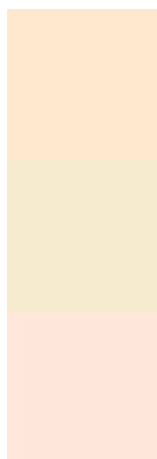
This preview shows how white text looks on a background with the XYZ color 81.2372, 83.4295,

70.2144.

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

81.2372, 83.4295, 70.2144

Protanopia

78.9769, 83.5145, 70.9889

Deuteranopia

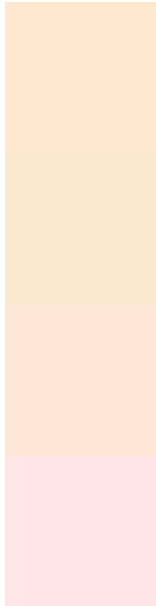
82.7342, 83.5791, 79.4820



Tritanopia

85.0104, 83.1576, 95.5749

Trichromacy



Original Color

81.2372, 83.4295, 70.2144

Protanomaly

79.7522, 83.4904, 70.9433

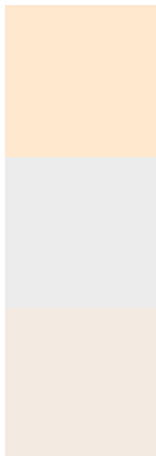
Deuteranomaly

82.0817, 83.3181, 76.0458

Tritanomaly

83.4022, 82.9558, 85.7450

Monochromacy



Original Color

81.2372, 83.4295, 70.2144

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.2611, 83.9076, 83.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2372, 83.4295, 70.2144 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, 232, 206) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 206)  
}
```

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, 232, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 206) }
```

Border

The CSS property to change the border of an element to XYZ 81.2372, 83.4295, 70.2144 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, 232, 206) }
```


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

```
.border{ border-color:rgb(255, 232, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2372, 83.4295, 70.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 206) }
```

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

```
.background{ background-color: rgb(255,  
232, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor