

Converting Colors

XYZ(71.5317, 81.1379, 74.8427)

Have a look what the booklet for
XYZ(71.5317, 81.1379, 74.8427)
contains.

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Color

**XYZ(71.7902, 81.4425,
74.8870)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEFD5
RGB	218, 239, 213
RGB Percent	85%, 94%, 84%
CMY	0.1451, 0.0627, 0.1647
CMYK	0.09, 0.00, 0.11, 0.06
HSL	108°, 45%, 89%
HSV	108°, 11%, 94%
XYZ	71.7902, 81.4425, 74.8870
YIQ	229.7570, -4.1700, -12.5380

Conversions

Conversions Part 2

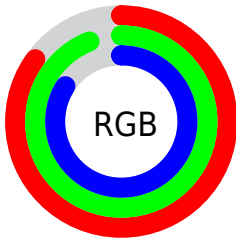
Format	Color
R_{YB}	213, 239, 234
Decimal	14348245
CIE Lab	92.33, -11.58, 10.23
CIE LCh	92, 15.454, 138.541
Yxy	81.4425, 0.3147, 0.3570
Android (android.graphics.Color)	4292538325 (0xFFDAEFD5)
YUV	229.7570, -8.2612, -10.3109
Hunter-Lab	90.2455, -15.9331, 13.9722

Details

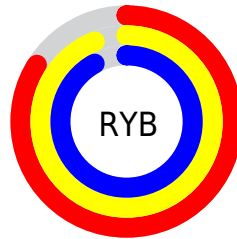
The XYZ color **71.7902, 81.4425, 74.8870** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.3091, 71.3151, 91.5669**, and the grayscale version is **75.0974, 79.0083, 86.0400**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2093, 44.1221, 38.8503** is the 20% darker color. If you saturate the color by 10%, you get **63.5370, 77.5153, 59.8150**, and if you desaturate by 10%, it is **81.1674, 85.9022, 92.3488**.

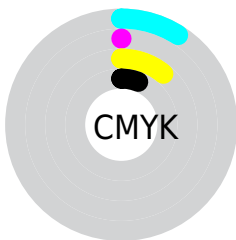
Distribution



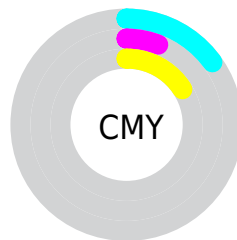
- Red (85%)
- Green (94%)
- Blue (84%)



- Red (84%)
- Yellow (94%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7902, 81.4425, 74.8870 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 71.7902, 81.4425, 74.8870 by changing the saturation by 10% instead.

71.7902, 81.4425,
74.8870

71.7902, 81.4425,
74.8870

455.9800,
499.7810, 496.7741

53.2722, 60.9061,
55.0191

120.7706,
135.3919, 127.8980

38.2484, 44.1494,
39.0183

151.9637,
169.5737, 161.8783

26.3536, 30.7880,
26.4661

188.1125,
209.0728, 201.3997

17.2225, 20.4375,
16.9437

229.5824,
254.2735, 246.8809

10.4895, 12.7134,
10.0329

276.7388,
305.5603, 298.7404

5.7895, 7.2315,
5.3149

329.9469,

2.7569, 3.6073,

363.3176, 357.3968

2.3712

389.5722,
427.9296, 423.2685

■ 1.0266, 1.4564,
0.7707

■ 0.0000, 0.2578,
0.0000

■ 71.7902, 81.4425,
74.8870

■ 71.7902, 81.4425,
74.8870

■ 63.5370, 77.5153,
59.8150

■ 81.1674, 85.9022,
92.3488

■ 56.3588, 74.0904,
47.0236

■ 90.1581, 90.2162,
107.2694

■ 50.2125, 71.1506,
36.4035

■ 45.0497, 68.6734,
27.8340

■ 40.8180, 66.6347,
21.1827

■ 37.4597, 65.0080,
16.3016

■ 34.9107, 63.7639,
13.0214

■ 33.0968, 62.8686,
11.1393

■ 31.9927, 62.3159,
10.3420

Harmonies

Analogous

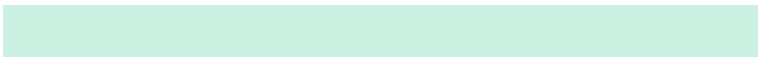
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9902, 81.4425, 69.4018



71.7902, 81.4425, 74.8870



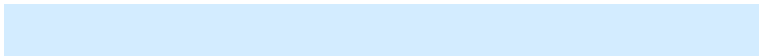
70.1175, 81.4425, 84.3755

Triad

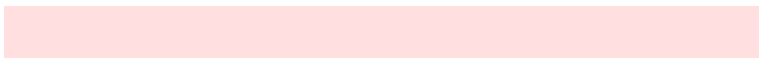
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7902, 81.4425, 74.8870



75.8917, 81.4425, 112.0472



84.9268, 81.4425, 81.8600

Complementary

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



71.7902, 81.4425, 74.8870



73.3091, 71.3151, 91.5669

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.



85.1885, 81.4425, 93.1223



71.7902, 81.4425, 74.8870



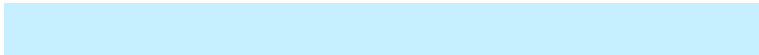
79.8785, 81.4425, 111.2267

Square

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



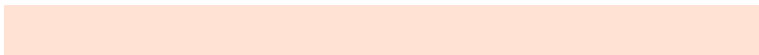
71.7902, 81.4425, 74.8870



72.4306, 81.4425, 106.2178



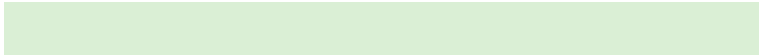
83.3129, 81.4425, 104.0639



82.6097, 81.4425, 73.1822

Rectangle

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



71.7902, 81.4425, 74.8870



70.0539, 81.4425, 91.9866



83.3129, 81.4425, 104.0639



85.2609, 81.4425, 85.4478

Sweetspot

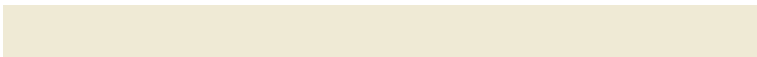
The Sweet Spot groups the original color and five complimentary colors.



71.7924, 81.4460, 74.8888



91.6057, 98.3639, 102.4371



76.9761, 81.8903, 74.7013



19.4147, 20.9624, 21.5654



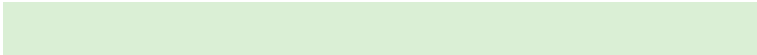
0.0000, 0.0000, 0.0000



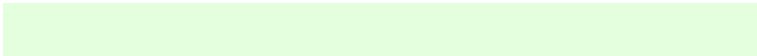
20.3446, 21.4041, 23.3091

Same Dimension

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



71.7924, 81.4460, 74.8888



80.9906, 93.3165, 82.7451



71.3341, 81.0925, 80.1617



15.8495, 17.8026, 16.7506



17.7609, 34.4776, 5.7188



1.5542, 2.9077, 0.4793

Inverse Universe

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



73.3091, 71.3151, 91.5669



83.0653, 79.4540, 105.5659



73.8458, 71.7221, 85.7044



16.1391, 15.8689, 19.9340



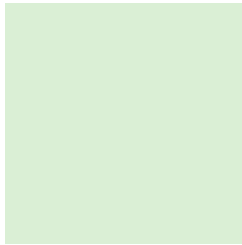
20.8769, 9.7678, 45.9129



1.8123, 0.8515, 3.8231

Previews

White Background



This preview shows how the XYZ color 71.7902, 81.4425, 74.8870 looks on a white background.

Color Contrast Check

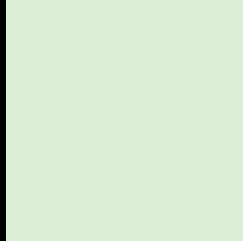
Large Text (above 18pt) WCAG AA × Fail

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 71.7902, 81.4425, 74.8870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

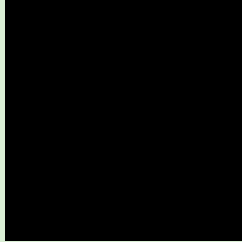
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

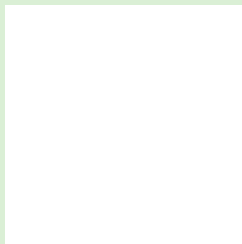
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7902, 81.4425, 74.8870

Background



This preview shows how black text looks on a background with the XYZ color 71.7902, 81.4425, 74.8870.

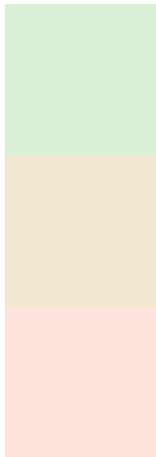


This preview shows how white text looks on a background with the XYZ color 71.7902, 81.4425,

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

71.7902, 81.4425, 74.8870

Protanopia

76.9832, 81.1939, 71.9361

Deuteranopia

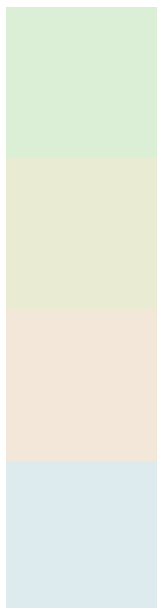
81.6274, 81.3655, 79.1130



Tritanopia

77.4501, 81.1534, 103.6776

Trichromacy



Original Color

71.7902, 81.4425, 74.8870

Protanomaly

74.9455, 81.3934, 72.7332

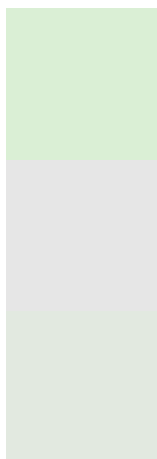
Deuteranomaly

77.7182, 81.0388, 77.1915

Tritanomaly

75.2651, 81.1193, 92.5796

Monochromacy



Original Color

71.7902, 81.4425, 74.8870

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.9575, 79.8284, 82.0315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7902, 81.4425, 74.8870 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(218, 239, 213)` looks like.

```
.text, #text, p{  
    color:rgb(218, 239, 213)  
}
```

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(218, 239, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 239, 213) }
```

Border

The CSS property to change the border of an element to XYZ 71.7902, 81.4425, 74.8870 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(218, 239, 213) }
```


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

```
.border{ border-color:rgb(218, 239, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 239, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 239, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 239, 213);  
box-shadow:4px 4px 4px 4px rgb(218, 239,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7902, 81.4425, 74.8870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 239, 213) }
```

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

```
.background{ background-color: rgb(218,  
239, 213) }
```

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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