

Converting Colors

XYZ(71.9303, 82.6928, 70.8420)

Have a look what the booklet for
XYZ(71.9303, 82.6928, 70.8420)
contains.

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Color

**XYZ(71.8093, 82.4269,
70.5177)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF1CE
RGB	219, 241, 206
RGB Percent	86%, 95%, 81%
CMY	0.1412, 0.0549, 0.1921
CMYK	0.09, 0.00, 0.15, 0.05
HSL	98°, 56%, 88%
HSV	98°, 15%, 95%
XYZ	71.8093, 82.4269, 70.5177
YIQ	230.4320, -1.8770, -15.5490

Conversions

Conversions Part 2

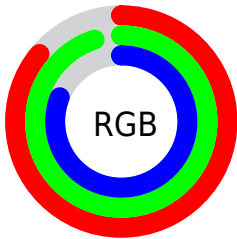
Format	Color
R _Y B	206, 241, 228
Decimal	14414286
CIE Lab	92.76, -13.42, 14.48
CIE LCh	93, 19.742, 132.806
Yxy	82.4269, 0.3195, 0.3667
Android (android.graphics.Color)	4292604366 (0xFFDBF1CE)
YUV	230.4320, -12.0450, -10.0259
Hunter-Lab	90.7893, -17.6975, 17.5008

Details

The XYZ color **71.8093, 82.4269, 70.5177** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.9466, 66.9897, 92.4672**, and the grayscale version is **75.6232, 79.5615, 86.6425**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3263, 44.8574, 36.3441** is the 20% darker color. If you saturate the color by 10%, you get **64.7512, 79.1035, 56.0583**, and if you desaturate by 10%, it is **79.7357, 86.1509, 87.3646**.

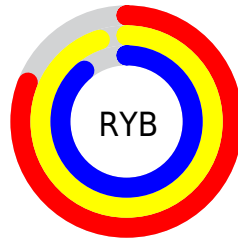
Distribution



Red (86%)

Green (95%)

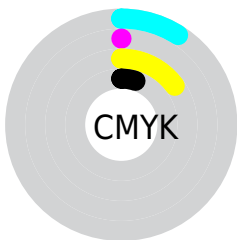
Blue (81%)



Red (81%)

Yellow (95%)

Blue (89%)

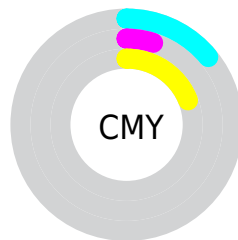


Cyan (9%)

Magenta (0%)

Yellow (15%)

Black (5%)



Cyan (14%)

Magenta (5%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8093, 82.4269, 70.5177 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 71.8093, 82.4269, 70.5177 by changing the saturation by 10% instead.

71.8093, 82.4269,
70.5177

71.8093, 82.4269,
70.5177

456.0455,
503.0745, 481.2038

53.2878, 61.7175,
51.4693

120.7976,
136.7725, 121.6348

38.2610, 44.8045,
36.2029

151.9952,
171.1775, 154.5405

26.3634, 31.3034,
24.3000

188.1488,
210.9164, 192.9024

17.2298, 20.8300,
15.3421

229.6239,
256.3737, 237.1391

10.4948, 12.9998,
8.9105

276.7857,
307.9338, 287.6690

5.7930, 7.4284,
4.5868

329.9997,

2.7591, 3.7314,

365.9810, 344.9107

1.9525

389.6312,
430.8998, 409.2828

■ 1.0277, 1.5245,
0.5258

■ 0.0000, 0.3059,
0.0000

■ 71.8093, 82.4269,
70.5177

■ 71.8093, 82.4269,
70.5177

■ 64.7512, 79.1035,
56.0583

■ 79.7357, 86.1509,
87.3646

■ 58.5234, 76.1562,
43.8730

■ 88.5535, 90.2779,
106.6945

■ 53.0947, 73.5739,
33.8476

■ 90.7469, 91.3939,
107.4656

■ 48.4290, 71.3407,
25.8555

■ 44.4875, 69.4397,
19.7571

■ 41.2271, 67.8520,
15.3952

■ 38.5991, 66.5567,
12.5872

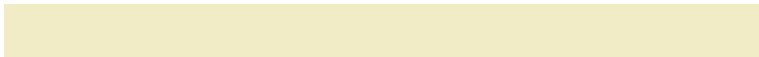
■ 36.5462, 65.5289,
11.1096

■ 35.6252, 65.0627,
10.6807

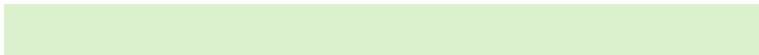
Harmonies

Analogous

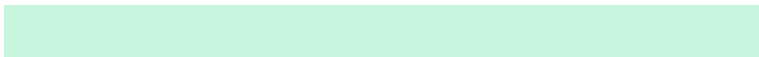
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1708, 82.4269, 64.8486



71.8093, 82.4269, 70.5177



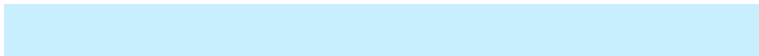
69.2643, 82.4269, 81.6278

Triad

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



71.8093, 82.4269, 70.5177



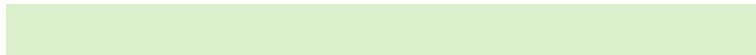
75.4548, 82.4269, 119.6428



88.3974, 82.4269, 83.6113

Complementary

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



71.8093, 82.4269, 70.5177



69.9466, 66.9897, 92.4672

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.



88.1850, 82.4269, 98.3914



71.8093, 82.4269, 70.5177



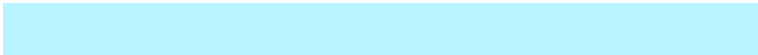
80.5587, 82.4269, 120.3243

Square

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



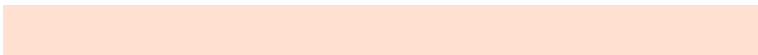
71.8093, 82.4269, 70.5177



71.3049, 82.4269, 110.4214



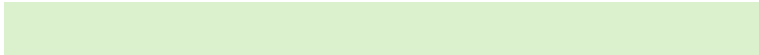
85.2642, 82.4269, 112.1926



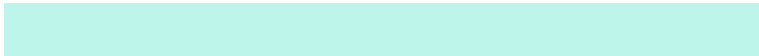
85.8323, 82.4269, 71.8323

Rectangle

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



71.8093, 82.4269, 70.5177



68.8686, 82.4269, 91.1439



85.2642, 82.4269, 112.1926



88.6516, 82.4269, 88.3682

Sweetspot

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



71.8115, 82.4305, 70.5195



91.1311, 98.1645, 100.3707



75.0484, 78.4182, 69.5744



19.3520, 20.9391, 21.1511



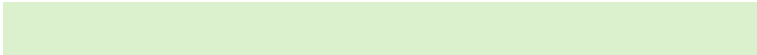
0.0000, 0.0000, 0.0000



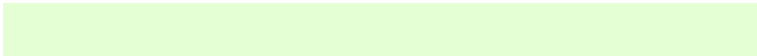
20.3446, 21.4041, 23.3091

Same Dimension

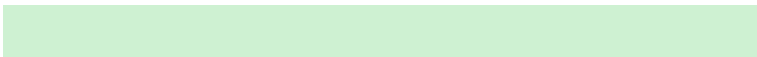
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8115, 82.4305, 70.5195



79.5149, 92.7088, 75.7598



68.5546, 80.6934, 72.9909



16.1204, 17.9422, 16.7633



19.4542, 35.3506, 5.7980



1.7248, 2.9957, 0.4873

Inverse Universe

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



69.9466, 66.9897, 92.4672



77.0693, 72.4657, 104.5330



73.6239, 68.9551, 89.4901



15.8522, 15.7211, 19.9206



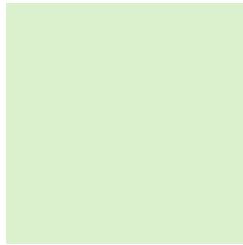
15.7349, 7.1171, 45.6723



1.4185, 0.6485, 3.8046

Previews

White Background



This preview shows how the XYZ color 71.8093, 82.4269, 70.5177 looks on a white background.

Color Contrast Check

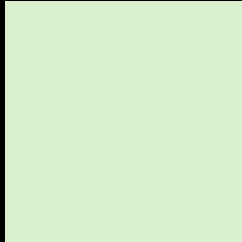
Large Text (above 18pt) WCAG AA × Fail

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 71.8093, 82.4269, 70.5177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

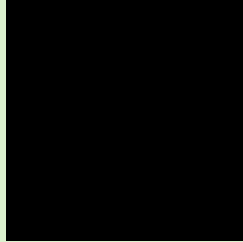
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

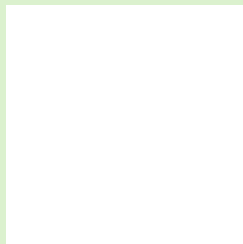
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8093, 82.4269, 70.5177

Background



This preview shows how black text looks on a background with the XYZ color 71.8093, 82.4269, 70.5177.

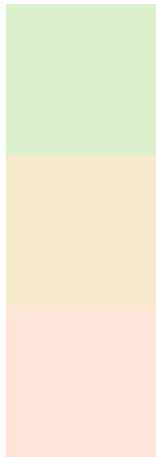


This preview shows how white text looks on a background with the XYZ color 71.8093, 82.4269,

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

71.8093, 82.4269, 70.5177

Protanopia

77.4558, 81.9546, 67.6136

Deuteranopia

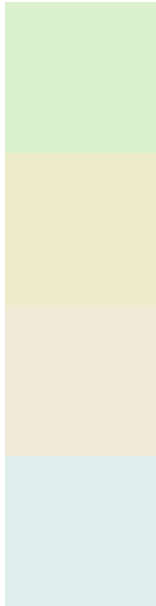
81.6383, 81.8088, 77.8175



Tritanopia

78.5165, 82.1062, 104.6383

Trichromacy



Original Color

71.8093, 82.4269, 70.5177

Protanomaly

75.3670, 82.1356, 68.3814

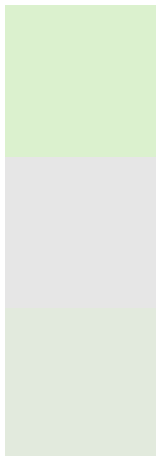
Deuteranomaly

77.8945, 82.0101, 75.3424

Tritanomaly

75.8559, 82.3125, 91.2467

Monochromacy



Original Color

71.8093, 82.4269, 70.5177

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.8380, 80.2348, 80.0018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8093, 82.4269, 70.5177 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(219, 241, 206)` looks like.

```
.text, #text, p{  
    color:rgb(219, 241, 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(219, 241, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 241, 206) }
```

Border

The CSS property to change the border of an element to XYZ 71.8093, 82.4269, 70.5177 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(219, 241, 206) }
```


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

```
.border{ border-color:rgb(219, 241, 206) }
```

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

Here you see how a box with a 4 pixel rgb(219, 241, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 241, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 241, 206);  
box-shadow:4px 4px 4px 4px rgb(219, 241,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8093, 82.4269, 70.5177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 241, 206) }
```

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

```
.background{ background-color: rgb(219,  
241, 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](#).

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