

Converting Colors

XYZ(72.7047, 84.2177, 70.8162)

Have a look what the booklet for
XYZ(72.7047, 84.2177, 70.8162)
contains.

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Color

**XYZ(72.7047, 84.2177,
70.8162)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF4CE
RGB	219, 244, 206
RGB Percent	86%, 96%, 81%
CMY	0.1412, 0.0431, 0.1921
CMYK	0.10, 0.00, 0.16, 0.04
HSL	99°, 63%, 88%
HSV	99°, 16%, 96%
XYZ	72.7047, 84.2177, 70.8162
YIQ	232.1930, -2.7020, -17.1180

Conversions

Conversions Part 2

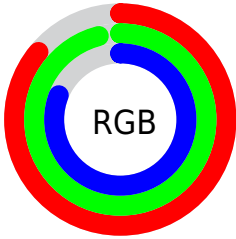
Format	Color
R _Y B	206, 244, 231
Decimal	14415054
CIE Lab	93.54, -14.90, 15.59
CIE LCh	94, 21.565, 133.709
Yxy	84.2177, 0.3192, 0.3698
Android (android.graphics.Color)	4292605134 (0xFFDBF4CE)
YUV	232.1930, -12.9131, -11.5703
Hunter-Lab	91.7702, -19.1817, 18.4869

Details

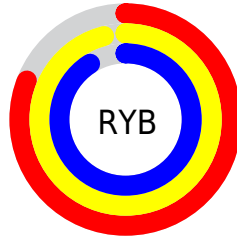
The XYZ color **72.7047, 84.2177, 70.8162** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.3588, 67.6655, 94.8922**, and the grayscale version is **76.9434, 80.9504, 88.1550**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9606, 46.1260, 36.5555** is the 20% darker color. If you saturate the color by 10%, you get **65.3689, 80.7547, 56.1822**, and if you desaturate by 10%, it is **80.9712, 88.1122, 87.8993**.

Distribution



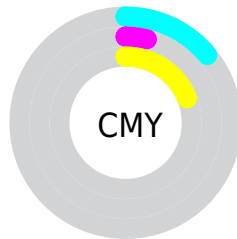
- Red (86%)
- Green (96%)
- Blue (81%)



- Red (81%)
- Yellow (96%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)



- Cyan (14%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7047, 84.2177, 70.8162 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 72.7047, 84.2177, 70.8162 by changing the saturation by 10% instead.

72.7047, 84.2177,
70.8162

72.7047, 84.2177,
70.8162

459.1104,
509.0359, 482.2770

54.0221, 63.1952,
51.7113

122.0633,
139.2797, 122.0640

38.8500, 45.9991,
36.3944

153.4700,
174.0879, 155.0440

26.8233, 32.2451,
24.4468

189.8487,
214.2602, 193.4860

17.5764, 21.5488,
15.4501

231.5648,
260.1809, 237.8088

10.7442, 13.5257,
8.9858

278.9836,
312.2344, 288.4307

5.9611, 7.7916,
4.6352

332.4706,

2.8619, 3.9619,

370.8052, 345.7703

1.9799

392.3911,
436.2775, 410.2463

■ 1.0811, 1.6523,
0.5429

■ 0.0093, 0.3925,
0.0000

■ 72.7047, 84.2177,
70.8162

■ 72.7047, 84.2177,
70.8162

■ 65.3689, 80.7547,
56.1822

■ 80.9712, 88.1122,
87.8993

■ 58.9226, 77.6972,
43.8798

■ 90.1939, 92.4417,
107.5309

■ 53.3316, 75.0325,
33.7899

■ 91.6424, 93.1848,
107.7641

■ 48.5566, 72.7432,
25.7808

■ 44.5550, 70.8106,
19.7068

■ 41.2794, 69.2138,
15.4035

■ 38.6766, 67.9296,
12.6788

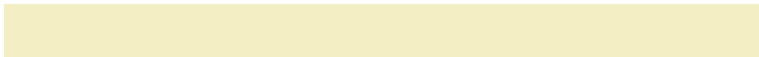
■ 36.6834, 66.9306,
11.2960

■ 35.9606, 66.5649,
10.9530

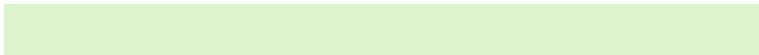
Harmonies

Analogous

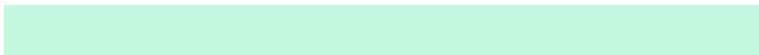
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4753, 84.2177, 64.4435



72.7047, 84.2177, 70.8162



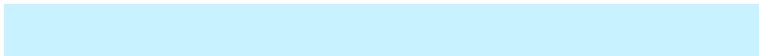
69.9741, 84.2177, 83.1668

Triad

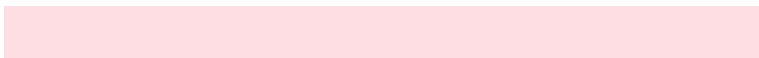
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7047, 84.2177, 70.8162



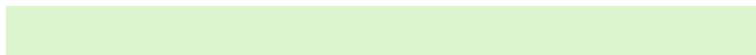
77.0090, 84.2177, 125.2720



91.1811, 84.2177, 84.4548

Complementary

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



72.7047, 84.2177, 70.8162



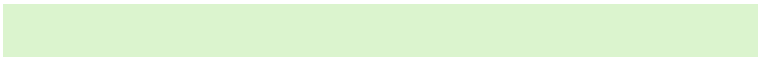
71.3588, 67.6655, 94.8922

Split Complementary

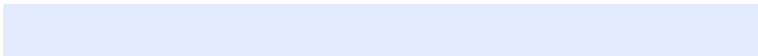
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0416, 84.2177, 100.7951



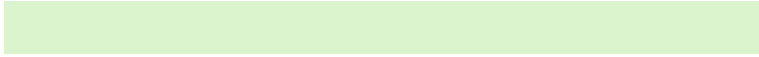
72.7047, 84.2177, 70.8162



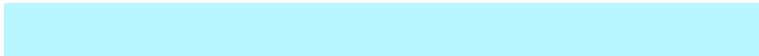
82.6737, 84.2177, 125.7237

Square

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



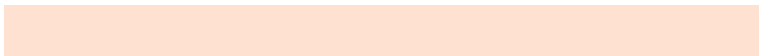
72.7047, 84.2177, 70.8162



72.3773, 84.2177, 115.1599



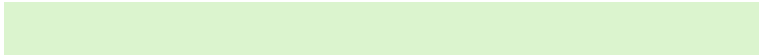
87.8664, 84.2177, 116.3292



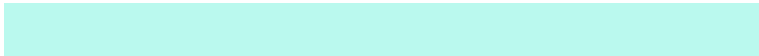
88.2389, 84.2177, 71.6623

Rectangle

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



72.7047, 84.2177, 70.8162



69.5932, 84.2177, 93.7454



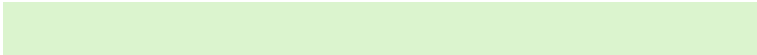
87.8664, 84.2177, 116.3292



91.4972, 84.2177, 89.6821

Sweetspot

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



72.7070, 84.2213, 70.8180



90.0454, 97.6494, 98.3037



76.9442, 80.6769, 69.9106



19.1275, 20.8324, 20.7345



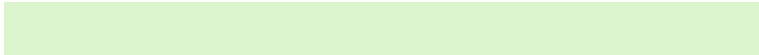
0.0000, 0.0000, 0.0000



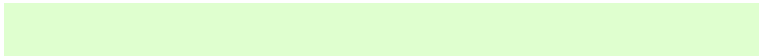
20.3446, 21.4041, 23.3091

Same Dimension

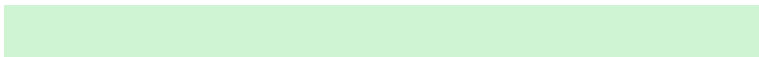
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7070, 84.2213, 70.8180



77.4367, 91.7104, 72.3640



69.6527, 82.5653, 74.3564



16.8166, 18.7475, 17.5299



19.6837, 36.2601, 5.9615



1.8358, 3.2414, 0.5289

Inverse Universe

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



71.3588, 67.6655, 94.8922



75.6576, 69.8791, 104.1082



74.8594, 69.5686, 90.6067



16.6311, 16.4680, 20.8447



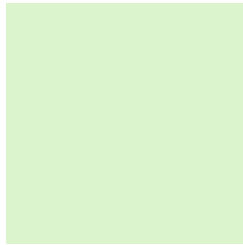
16.9726, 7.7240, 47.1344



1.6016, 0.7355, 4.1478

Previews

White Background



This preview shows how the XYZ color 72.7047, 84.2177, 70.8162 looks on a white background.

Color Contrast Check

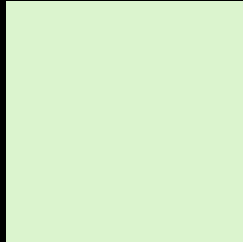
Large Text (above 18pt) WCAG AA × Fail

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 72.7047, 84.2177, 70.8162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

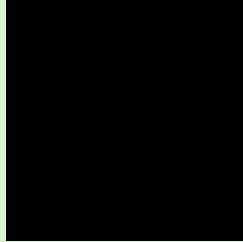
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

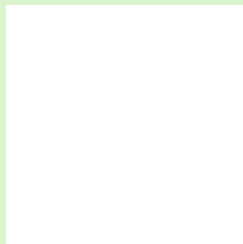
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7047, 84.2177, 70.8162

Background



This preview shows how black text looks on a background with the XYZ color 72.7047, 84.2177, 70.8162.



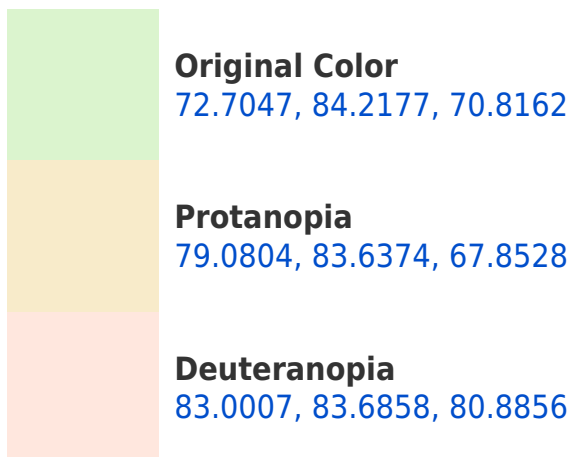
This preview shows how white text looks on a background with the XYZ color 72.7047, 84.2177,

70.8162.

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

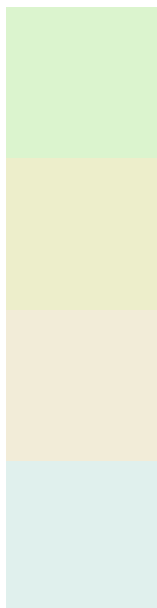




Tritanopia

80.0127, 84.1193, 106.6273

Trichromacy



Original Color

72.7047, 84.2177, 70.8162

Protanomaly

76.2791, 83.4654, 68.5900

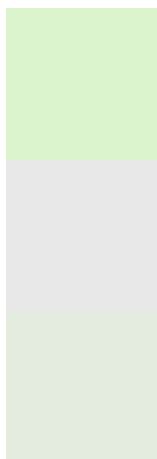
Deuteranomaly

79.0081, 83.8260, 76.9816

Tritanomaly

77.1866, 84.2819, 92.3206

Monochromacy



Original Color

72.7047, 84.2177, 70.8162

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

74.9933, 81.6495, 81.6194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7047, 84.2177, 70.8162 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, 244, 206) looks like.

```
.text, #text, p{  
    color:rgb(219, 244, 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, 244, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 244, 206) }
```

Border

The CSS property to change the border of an element to XYZ 72.7047, 84.2177, 70.8162 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, 244, 206) }
```


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

```
.border{ border-color:rgb(219, 244, 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, 244, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 244, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 244, 206);  
box-shadow:4px 4px 4px 4px rgb(219, 244,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7047, 84.2177, 70.8162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 244, 206) }
```

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

```
.background{ background-color: rgb(219,  
244, 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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