

Converting Colors

XYZ(72.8295, 88.2459, 77.4167)

Have a look what the booklet for
XYZ(72.8295, 88.2459, 77.4167)
contains.

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Color

**XYZ(72.8446, 88.2787,
77.4901)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFDD7
RGB	206, 253, 215
RGB Percent	81%, 99%, 84%
CMY	0.1922, 0.0078, 0.1569
CMYK	0.19, 0.00, 0.15, 0.01
HSL	131°, 92%, 90%
HSV	131°, 19%, 99%
XYZ	72.8446, 88.2787, 77.4901
YIQ	234.6150, -15.8140, -21.7820

Conversions

Conversions Part 2

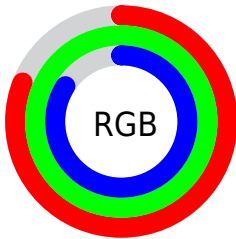
Format	Color
RYB	206, 245, 253
Decimal	13565399
CIELab	95.28, -22.08, 13.30
CIELCh	95, 25.773, 148.944
Yxy	88.2787, 0.3053, 0.3700
Android (android.graphics.Color)	4291755479 (0xFFCEFD7)
YUV	234.6150, -9.6702, -25.0954
Hunter-Lab	93.9567, -26.0334, 16.8708

Details

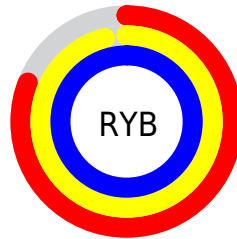
The XYZ color **72.8446, 88.2787, 77.4901** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.9116, 71.5589, 95.2451**, and the grayscale version is **78.7547, 82.8561, 90.2303**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8476, 48.5972, 40.5904** is the 20% darker color. If you saturate the color by 10%, you get **63.9121, 83.9613, 64.1987**, and if you desaturate by 10%, it is **83.2412, 93.3179, 92.5694**.

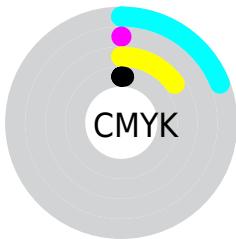
Distribution



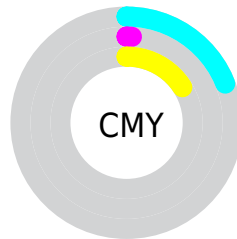
- Red (81%)
- Green (99%)
- Blue (84%)



- Red (81%)
- Yellow (96%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)
- Black (1%)





- Cyan (19%)
- Magenta (1%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8446, 88.2787, 77.4901 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 72.8446, 88.2787, 77.4901 by changing the saturation by 10% instead.


 72.8446, 88.2787,
77.4901

 72.8446, 88.2787,
77.4901


459.5882,
522.4155, 505.9154

 54.1368, 66.5539,
57.1412


122.2609,
144.9451, 131.6104

 38.9422, 48.7222,
40.7085


153.7001,
180.6555, 166.2189

 26.8953, 34.3992,
27.7734

190.1139,
221.7966, 206.4178

 17.6308, 23.2004,
17.9174

231.8676,
268.7527, 252.6254

 10.7833, 14.7416,
10.7219

279.3265,
321.9082, 305.2605

 5.9875, 8.6382,
5.7683

332.8560,

 2.8781, 4.5060,

381.6476, 364.7415

2.6382

392.8214,
448.3552, 431.4869

■ 1.0896, 1.9604,
0.9121

■ 0.0164, 0.5843,
0.0000

■ 72.8446, 88.2787,
77.4901

■ 72.8446, 88.2787,
77.4901

■ 63.9121, 83.9613,
64.1987

■ 83.2412, 93.3179,
92.5694

■ 56.3703, 80.3218,
52.6231

■ 94.4170, 98.7340,
108.6890

■ 50.1506, 77.3287,
42.6951

■ 45.1751, 74.9435,
34.3395

■ 41.3581, 73.1238,
27.4755

■ 38.6024, 71.8212,
22.0147

■ 36.7943, 70.9792,
17.8596

■ 35.7774, 70.5194,
14.8991

■ 35.6698, 70.4711,
14.5671

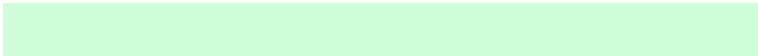
Harmonies

Analogous

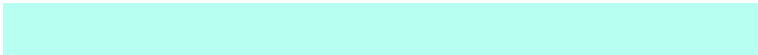
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5293, 88.2787, 66.0513



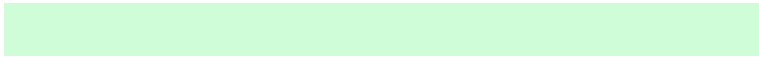
72.8446, 88.2787, 77.4901



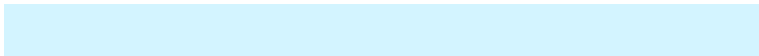
71.0965, 88.2787, 95.4082

Triad

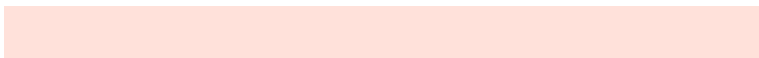
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8446, 88.2787, 77.4901



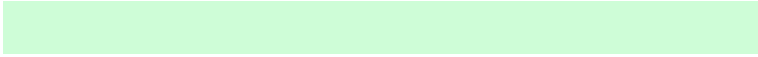
83.6572, 88.2787, 140.2848



96.3077, 88.2787, 78.5664

Complementary

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



72.8446, 88.2787, 77.4901



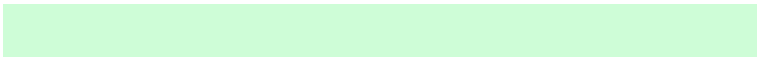
78.9116, 71.5589, 95.2451

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.



98.1691, 88.2787, 96.8364



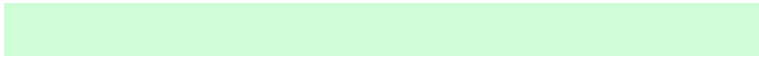
72.8446, 88.2787, 77.4901



90.6236, 88.2787, 134.1593

Square

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



72.8446, 88.2787, 77.4901



77.1203, 88.2787, 133.2695



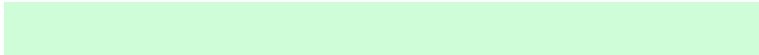
96.0346, 88.2787, 117.5205



91.0790, 88.2787, 66.6089

Rectangle

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



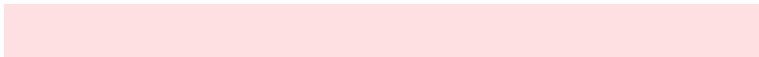
72.8446, 88.2787, 77.4901



71.7524, 88.2787, 109.2522



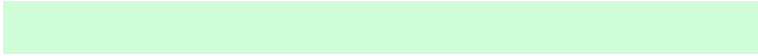
96.0346, 88.2787, 117.5205



97.3604, 88.2787, 84.0856

Sweetspot

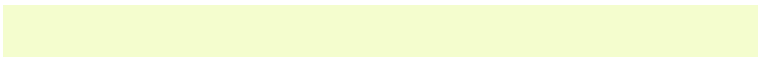
The Sweet Spot groups the original color and five complimentary colors.



72.8470, 88.2824, 77.4921



87.7152, 96.4415, 98.4931



83.7108, 94.0129, 72.1277



18.6111, 20.5631, 20.8480



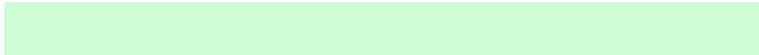
0.0000, 0.0000, 0.0000



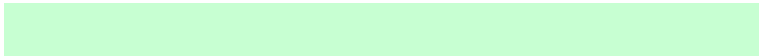
20.3446, 21.4041, 23.3091

Same Dimension

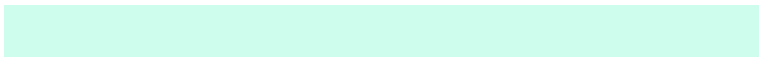
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8470, 88.2824, 77.4921



70.8750, 88.2838, 74.0443



76.0314, 89.5562, 94.2608



17.9137, 20.2250, 19.8484



19.0134, 37.5019, 7.9557



1.8870, 3.6657, 0.9626

Inverse Universe

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



78.9116, 71.5589, 95.2451



78.0087, 68.6082, 94.9245



75.6176, 70.2414, 77.8995



18.6347, 18.2372, 21.9596



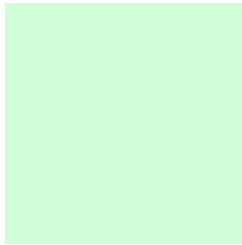
27.4340, 13.4629, 31.9998



2.7077, 1.3255, 3.3082

Previews

White Background



This preview shows how the XYZ color 72.8446, 88.2787, 77.4901 looks on a white background.

Color Contrast Check

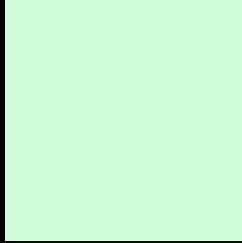
Large Text (above 18pt) WCAG AA × Fail

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 72.8446, 88.2787, 77.4901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

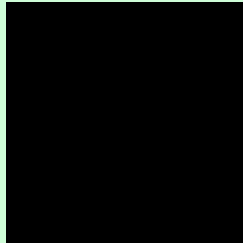
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

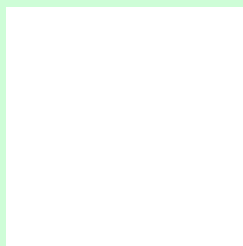
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8446, 88.2787, 77.4901

Background



This preview shows how black text looks on a background with the XYZ color 72.8446, 88.2787, 77.4901.



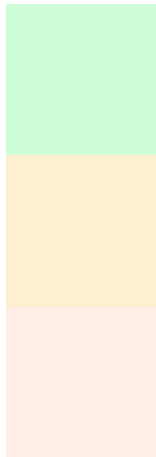
This preview shows how white text looks on a background with the XYZ color 72.8446, 88.2787,

77.4901.

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

72.8446, 88.2787, 77.4901

Protanopia

83.0533, 87.7569, 72.2359

Deuteranopia

86.0897, 87.6546, 88.7255



Tritanopia

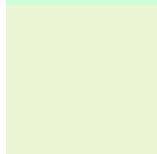
82.0792, 88.2523, 107.3161

Trichromacy



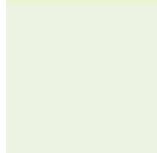
Original Color

72.8446, 88.2787, 77.4901



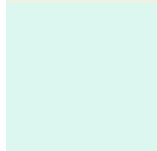
Protanomaly

79.0024, 87.8408, 74.4191



Deuteranomaly

80.7031, 87.5967, 84.6059



Tritanomaly

78.2024, 87.8729, 95.2775

Monochromacy



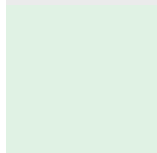
Original Color

72.8446, 88.2787, 77.4901



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4962, 84.9530, 85.7646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8446, 88.2787, 77.4901 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(206, 253, 215)` looks like.

```
.text, #text, p{  
    color:rgb(206, 253, 215)  
}
```

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(206, 253, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 253, 215) }
```

Border

The CSS property to change the border of an element to XYZ 72.8446, 88.2787, 77.4901 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(206, 253, 215) }
```


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

```
.border{ border-color:rgb(206, 253, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 253, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 253, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 253, 215);  
box-shadow:4px 4px 4px 4px rgb(206, 253,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8446, 88.2787, 77.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 253, 215) }
```

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

```
.background{ background-color: rgb(206,  
253, 215) }
```

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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