

Converting Colors

XYZ(69.9665, 82.2132, 77.4789)

Have a look what the booklet for
XYZ(69.9665, 82.2132, 77.4789)
contains.

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Color

**XYZ(69.8989, 82.1809,
77.1442)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF3D8
RGB	206, 243, 216
RGB Percent	81%, 95%, 85%
CMY	0.1922, 0.0470, 0.1529
CMYK	0.15, 0.00, 0.11, 0.05
HSL	136°, 61%, 88%
HSV	136°, 15%, 95%
XYZ	69.8989, 82.1809, 77.1442
YIQ	228.8590, -13.3850, -16.2410

Conversions

Conversions Part 2

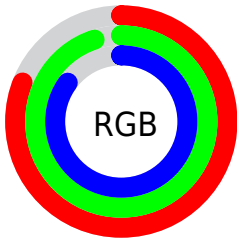
Format	Color
R _Y B	206, 235, 243
Decimal	13562840
CIE Lab	92.65, -17.02, 9.04
CIE LCh	93, 19.274, 152.034
Yxy	82.1809, 0.3049, 0.3585
Android (android.graphics.Color)	4291752920 (0xFFCECF3D8)
YUV	228.8590, -6.3395, -20.0473
Hunter-Lab	90.6537, -21.0108, 13.0031

Details

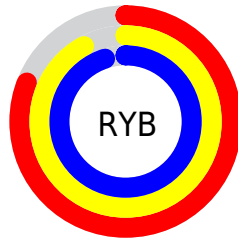
The XYZ color **69.8989, 82.1809, 77.1442** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7444, 69.0825, 86.5421**, and the grayscale version is **74.4266, 78.3026, 85.2715**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9658, 44.6932, 40.3966** is the 20% darker color. If you saturate the color by 10%, you get **61.4971, 78.1027, 65.4227**, and if you desaturate by 10%, it is **79.5956, 86.9027, 90.2214**.

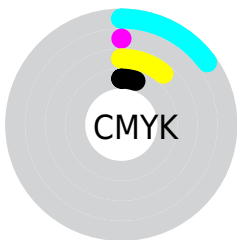
Distribution



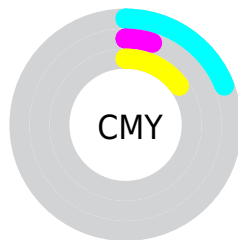
- Red (81%)
- Green (95%)
- Blue (85%)



- Red (81%)
- Yellow (92%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (19%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8989, 82.1809, 77.1442 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 69.8989, 82.1809, 77.1442 by changing the saturation by 10% instead.

69.8989, 82.1809,
77.1442

69.8989, 82.1809,
77.1442

449.4669,
502.2526, 504.7063

51.7234, 61.5147,
56.8590

118.0916,
136.4277, 131.1179

37.0080, 44.6406,
40.4834

148.8396,
170.7770, 165.6434

25.3874, 31.1745,
27.5990

184.5091,
210.4561, 205.7528

16.4962, 20.7317,
17.7872

225.4654,
255.8494, 251.8645

9.9690, 12.9281,
10.6295

272.0740,
307.3413, 304.3972

5.4405, 7.3790,
5.7072

324.7003,

2.5454, 3.7002,

365.3162, 363.7694

2.6020

383.7094,
430.1585, 430.3995

■ 0.9182, 1.5073,
0.8935

■ 0.0000, 0.2939,
0.0000

■ 69.8989, 82.1809,
77.1442

■ 69.8989, 82.1809,
77.1442

■ 61.4971, 78.1027,
65.4227

■ 79.5956, 86.9027,
90.2214

■ 54.3280, 74.6300,
55.0081

■ 90.6327, 92.2837,
104.6902

■ 48.3340, 71.7363,
45.8564

■ 91.3422, 92.5844,
107.6641

■ 43.4503, 69.3893,
37.9192

■ 39.6058, 67.5533,
31.1451

■ 36.7205, 66.1883,
25.4787

■ 34.7022, 65.2480,
20.8602

■ 33.4388, 64.6759,
17.2238

■ 33.0259, 64.4938,
15.8116

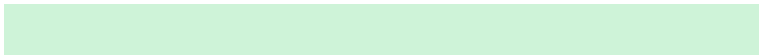
Harmonies

Analogous

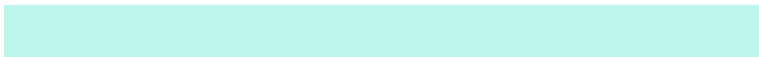
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1062, 82.1809, 68.0506



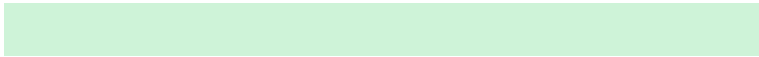
69.8989, 82.1809, 77.1442



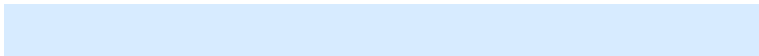
68.8639, 82.1809, 90.4648

Triad

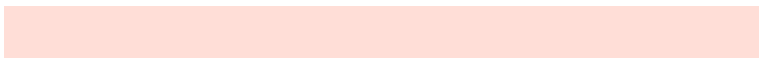
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8989, 82.1809, 77.1442



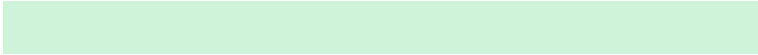
78.4532, 82.1809, 120.0172



86.5742, 82.1809, 75.6166

Complementary

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



69.8989, 82.1809, 77.1442



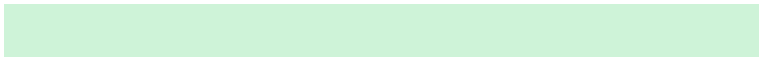
73.7444, 69.0825, 86.5421

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.



88.1498, 82.1809, 88.5044



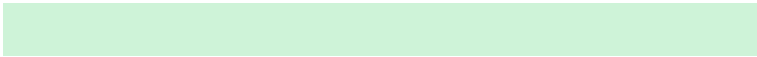
69.8989, 82.1809, 77.1442



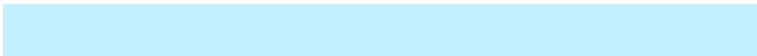
83.3381, 82.1809, 114.9955

Square

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



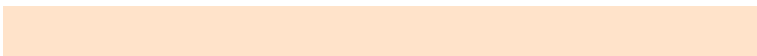
69.8989, 82.1809, 77.1442



73.6748, 82.1809, 116.1580



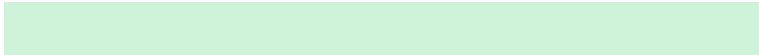
86.9412, 82.1809, 103.0676



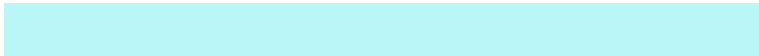
82.7207, 82.1809, 67.2372

Rectangle

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



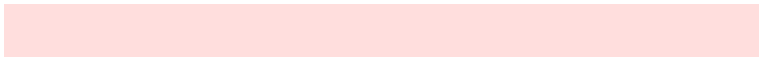
69.8989, 82.1809, 77.1442



69.5079, 82.1809, 100.2472



86.9412, 82.1809, 103.0676



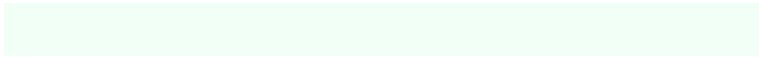
87.3950, 82.1809, 79.5147

Sweetspot

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



69.9012, 82.1844, 77.1460



89.0517, 97.0767, 100.9882



76.8422, 85.9075, 70.9254



18.8868, 20.6937, 21.3844



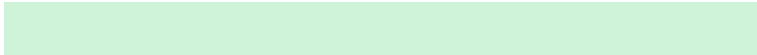
0.0000, 0.0000, 0.0000



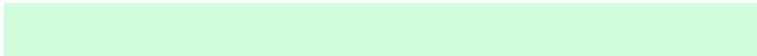
20.3446, 21.4041, 23.3091

Same Dimension

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



69.9012, 82.1844, 77.1460



75.2013, 90.3373, 82.2328



72.4109, 83.1883, 90.3622



16.4661, 18.5456, 18.4730



18.1729, 35.4140, 8.9302



1.6384, 3.1290, 1.0020

Inverse Universe

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



73.7444, 69.0825, 86.5421



80.1816, 73.3567, 94.4074



71.2547, 68.0867, 73.4314



17.0113, 16.6874, 19.8062



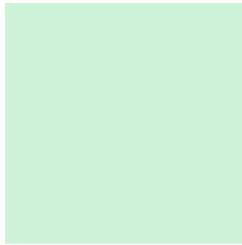
24.7190, 12.2310, 24.2921



2.2153, 1.0921, 2.3603

Previews

White Background



This preview shows how the XYZ color 69.8989, 82.1809, 77.1442 looks on a white background.

Color Contrast Check

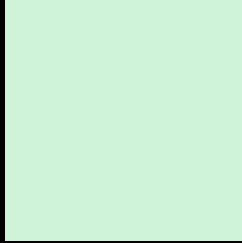
Large Text (above 18pt) WCAG AA × Fail

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 69.8989, 82.1809, 77.1442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

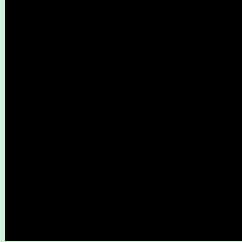
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

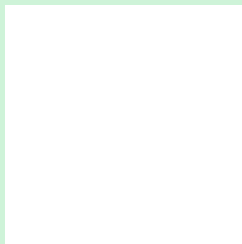
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8989, 82.1809, 77.1442

Background



This preview shows how black text looks on a background with the XYZ color 69.8989, 82.1809, 77.1442.

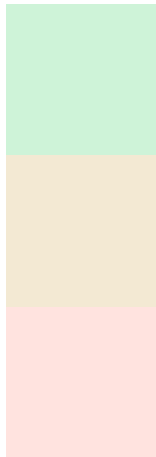


This preview shows how white text looks on a background with the XYZ color 69.8989, 82.1809,

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

69.8989, 82.1809, 77.1442

Protanopia

77.8589, 82.0357, 73.3589

Deuteranopia

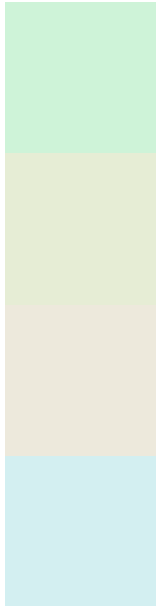
82.0284, 81.5259, 81.2247



Tritanopia

76.0657, 82.0845, 106.4425

Trichromacy



Original Color

69.8989, 82.1809, 77.1442

Protanomaly

74.9276, 82.1955, 74.8670

Deuteranomaly

76.9822, 81.4497, 79.3741

Tritanomaly

73.6077, 81.9328, 95.1542

Monochromacy



Original Color

69.8989, 82.1809, 77.1442

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.6962, 79.5996, 82.0538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8989, 82.1809, 77.1442 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, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(206, 243, 216)  
}
```

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, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 69.8989, 82.1809, 77.1442 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, 243, 216) }
```


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

```
.border{ border-color:rgb(206, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(206, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8989, 82.1809, 77.1442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 243, 216) }
```

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

```
.background{ background-color: rgb(206,  
243, 216) }
```

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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