

Converting Colors

XYZ(69.9751, 86.3948, 73.4798)

Have a look what the booklet for
XYZ(69.9751, 86.3948, 73.4798)
contains.

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Color

**XYZ(69.8722, 86.3664,
73.3093)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FCD1
RGB	199, 252, 209
RGB Percent	78%, 99%, 82%
CMY	0.2196, 0.0117, 0.1804
CMYK	0.21, 0.00, 0.17, 0.01
HSL	131°, 90%, 88%
HSV	131°, 21%, 99%
XYZ	69.8722, 86.3664, 73.3093
YIQ	231.2510, -17.7850, -24.6090

Conversions

Conversions Part 2

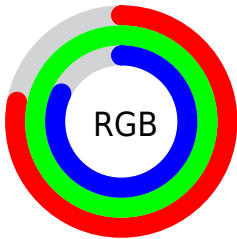
Format	Color
R _{YB}	199, 244, 252
Decimal	13106385
CIE _{Lab}	94.47, -24.90, 15.17
CIE _{LCh}	94, 29.158, 148.647
Yxy	86.3664, 0.3044, 0.3762
Android (android.graphics.Color)	4291296465 (0xFFC7FCD1)
YUV	231.2510, -10.9697, -28.2841
Hunter-Lab	92.9335, -28.4282, 18.2834

Details

The XYZ color **69.8722, 86.3664, 73.3093** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.5983, 67.9551, 93.0877**, and the grayscale version is **76.2331, 80.2032, 87.3413**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9331, 47.3261, 38.1986** is the 20% darker color. If you saturate the color by 10%, you get **61.3605, 82.2549, 60.5347**, and if you desaturate by 10%, it is **79.8207, 91.1860, 87.8506**.

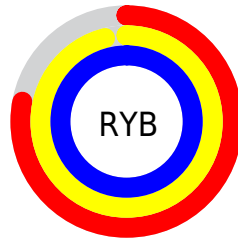
Distribution



Red (78%)

Green (99%)

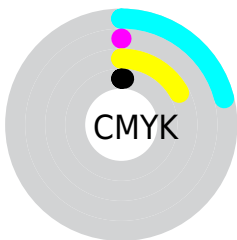
Blue (82%)



Red (78%)

Yellow (96%)

Blue (99%)

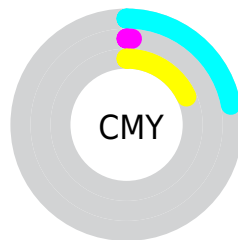


Cyan (21%)

Magenta (0%)

Yellow (17%)

Black (1%)



Cyan (22%)

Magenta (1%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8722, 86.3664, 73.3093 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 69.8722, 86.3664, 73.3093 by changing the saturation by 10% instead.

69.8722, 86.3664,
73.3093

69.8722, 86.3664,
73.3093

449.3746,
516.1386, 491.1856

51.7016, 64.9710,
53.7355

118.0537,
142.2807, 125.6412

36.9906, 47.4376,
37.9985

148.7954,
177.5683, 159.2364

25.3738, 33.3817,
25.6797

184.4581,
218.2556, 198.3425

16.4860, 22.4190,
16.3606

225.4071,
264.7267, 243.3781

9.9617, 14.1651,
9.6226

272.0080,
317.3662, 294.7616

5.4357, 8.2356,
5.0471

324.6259,

2.5424, 4.2461,

376.5584, 352.9117

2.2157

383.6263,
442.6877, 418.2468

■ 0.9167, 1.8121,
0.6834

■ 0.0000, 0.4947,
0.0000

■ 69.8722, 86.3664,
73.3093

■ 69.8722, 86.3664,
73.3093

■ 61.3605, 82.2549,
60.5347

■ 79.8207, 91.1860,
87.8506

■ 54.2119, 78.8075,
49.4538

■ 91.2613, 96.7334,
104.2165

■ 48.3566, 75.9922,
39.9973

■ 94.1021, 98.1042,
108.5840

■ 43.7157, 73.7700,
32.0885

■ 40.2016, 72.0974,
25.6447

■ 37.7145, 70.9248,
20.5755

■ 36.1362, 70.1936,
16.7801

■ 35.3363, 69.8339,
14.3645

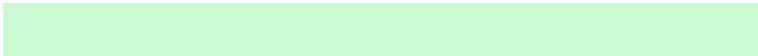
Harmonies

Analogous

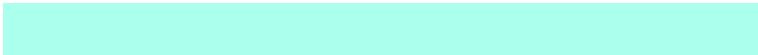
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0692, 86.3664, 61.0005



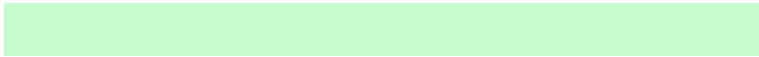
69.8722, 86.3664, 73.3093



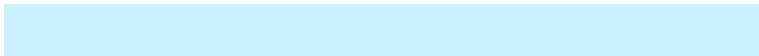
67.9167, 86.3664, 93.0223

Triad

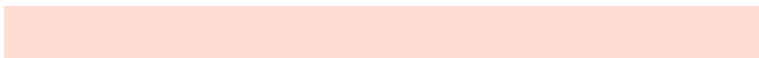
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8722, 86.3664, 73.3093



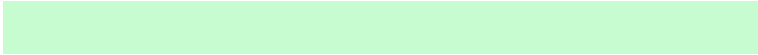
81.7331, 86.3664, 144.1600



96.0469, 86.3664, 74.8156

Complementary

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



69.8722, 86.3664, 73.3093



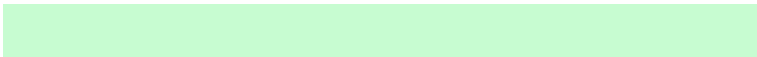
76.5983, 67.9551, 93.0877

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.



98.1065, 86.3664, 95.0618



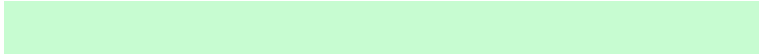
69.8722, 86.3664, 73.3093



89.5326, 86.3664, 137.2604

Square

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



69.8722, 86.3664, 73.3093



74.4896, 86.3664, 135.9524



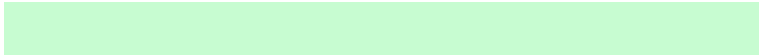
95.6520, 86.3664, 118.3472



90.1877, 86.3664, 61.7678

Rectangle

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



69.8722, 86.3664, 73.3093



68.6131, 86.3664, 108.5343



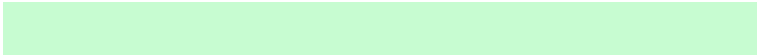
95.6520, 86.3664, 118.3472



97.2224, 86.3664, 80.8942

Sweetspot

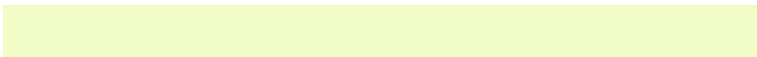
The Sweet Spot groups the original color and five complimentary colors.



69.8745, 86.3700, 73.3112



87.7087, 96.4389, 98.4590



81.8379, 92.6760, 67.6086



18.6096, 20.5625, 20.8399



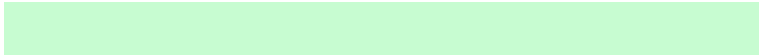
0.0000, 0.0000, 0.0000



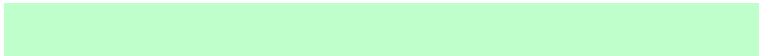
20.3446, 21.4041, 23.3091

Same Dimension

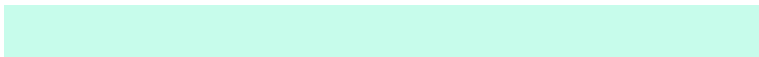
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8745, 86.3700, 73.3112



68.1215, 86.9539, 69.8672



73.3930, 87.7774, 91.8391



17.1512, 19.3627, 18.9966



18.4455, 36.3912, 7.6895



1.7431, 3.3843, 0.8948

Inverse Universe

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



76.5983, 67.9551, 93.0877



76.0988, 65.1001, 93.3265



72.9376, 66.4908, 73.8106



17.8443, 17.4651, 21.0360



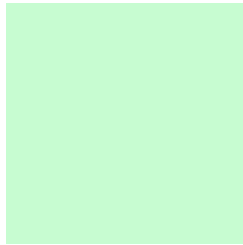
26.6697, 13.0836, 31.2987



2.5051, 1.2258, 3.0831

Previews

White Background



This preview shows how the XYZ color 69.8722, 86.3664, 73.3093 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 69.8722, 86.3664, 73.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

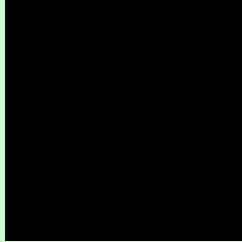
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

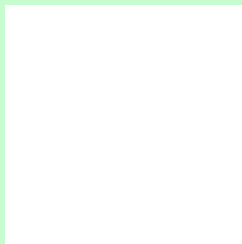
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8722, 86.3664, 73.3093

Background



This preview shows how black text looks on a background with the XYZ color 69.8722, 86.3664, 73.3093.



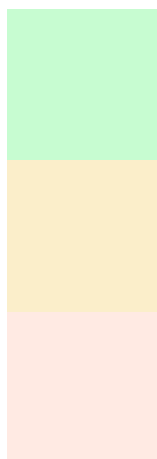
This preview shows how white text looks on a background with the XYZ color 69.8722, 86.3664,

73.3093.

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

69.8722, 86.3664, 73.3093

Protanopia

81.0189, 85.9226, 68.1917

Deuteranopia

84.5279, 85.6517, 84.7504



Tritanopia

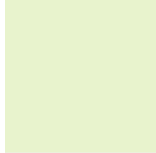
79.3173, 85.9399, 107.0153

Trichromacy



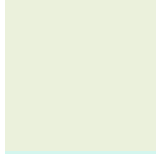
Original Color

69.8722, 86.3664, 73.3093



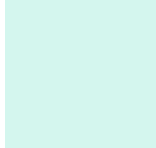
Protanomaly

76.3487, 85.6648, 70.2686



Deuteranomaly

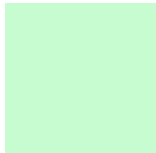
78.6345, 85.7401, 80.1152



Tritanomaly

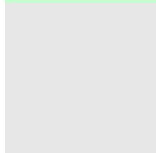
75.5398, 86.0816, 93.5230

Monochromacy



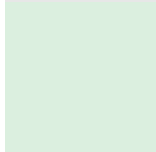
Original Color

69.8722, 86.3664, 73.3093



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3992, 82.1208, 81.7944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8722, 86.3664, 73.3093 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(199, 252, 209)` looks like.

```
.text, #text, p{  
    color:rgb(199, 252, 209)  
}
```

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(199, 252, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 252, 209) }
```

Border

The CSS property to change the border of an element to XYZ 69.8722, 86.3664, 73.3093 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(199, 252, 209) }
```


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

```
.border{ border-color:rgb(199, 252, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 252, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 252, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 252, 209);  
box-shadow:4px 4px 4px 4px rgb(199, 252,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8722, 86.3664, 73.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 252, 209) }
```

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

```
.background{ background-color: rgb(199,  
252, 209) }
```

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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