

Converting Colors

XYZ(82.0826, 112.1525,
85.6092)

Have a look what the booklet for
XYZ(82.0826, 112.1525, 85.6092)
contains.

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Color

**XYZ(69.7974, 87.5593,
81.6285)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFFD
RGB	189, 255, 221
RGB Percent	74%, 100%, 87%
CMY	0.2588, 0.0000, 0.1333
CMYK	0.26, 0.00, 0.13, 0.00
HSL	149°, 100%, 87%
HSV	149°, 26%, 100%
XYZ	69.7974, 87.5593, 81.6285
YIQ	231.3900, -28.4220, -24.5660

Conversions

Conversions Part 2

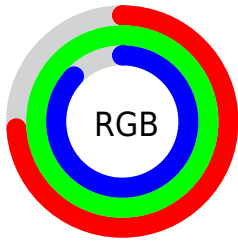
Format	Color
RYB	189, 233, 255
Decimal	12451805
CIELab	94.98, -27.24, 9.65
CIELCh	95, 28.902, 160.496
Yxy	87.5593, 0.2921, 0.3664
Android (android.graphics.Color)	4290641885 (0xFFBDFDFF)
YUV	231.3900, -5.1223, -37.1760
Hunter-Lab	93.5731, -30.6075, 13.7796

Details

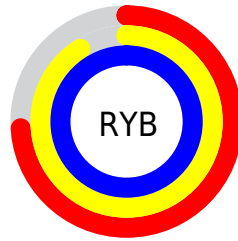
The XYZ color **69.7974, 87.5593, 81.6285** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.7573, 62.9838, 78.1344**, and the grayscale version is **76.2980, 80.2714, 87.4156**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **36.9085, 48.2097, 43.4365** is the 20% darker color. If you saturate the color by 10%, you get **62.3359, 83.9071, 72.4983**, and if you desaturate by 10%, it is **78.5094, 91.8402, 91.5349**.

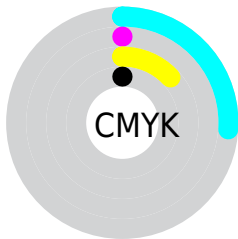
Distribution



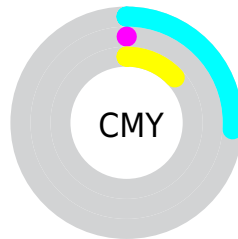
- Red (74%)
- Green (100%)
- Blue (87%)



- Red (74%)
- Yellow (91%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7974, 87.5593, 81.6285 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 69.7974, 87.5593, 81.6285 by changing the saturation by 10% instead.

69.7974, 87.5593,
81.6285

69.7974, 87.5593,
81.6285

449.1158,
520.0590, 520.2550

51.6404, 65.9582,
60.5253

117.9476,
143.9435, 137.4849

36.9416, 48.2384,
43.4141

148.6716,
179.4953, 173.0752

25.3358, 34.0157,
29.8764

184.3152,
220.4661, 214.3317

16.4574, 22.9057,
19.4935

225.2438,
267.2403, 261.6728

9.9413, 14.5239,
11.8470

271.8228,
320.2023, 315.5172

5.4220, 8.4859,
6.5183

324.4176,

2.5342, 4.4074,

379.7364, 376.2833

3.0889

383.3935,
446.2272, 444.3897

■ 0.9126, 1.9040,
1.1402

■ 0.0000, 0.5508,
0.0000

■ 69.7974, 87.5593,
81.6285

■ 69.7974, 87.5593,
81.6285

■ 62.3359, 83.9071,
72.4983

■ 78.5094, 91.8402,
91.5349

■ 56.0614, 80.8514,
64.1209

■ 88.5267, 96.7779,
102.2317

■ 50.9077, 78.3584,
56.4778

■ 95.0500, 100.0000,
108.9000

■ 46.8013, 76.3906,
49.5480

■ 43.6590, 74.9055,
43.3094

■ 41.3841, 73.8537,
37.7384

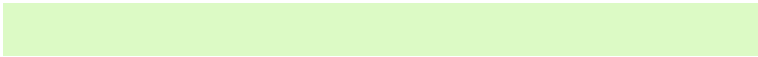
■ 39.8573, 73.1741,
32.8096

■ 39.3754, 72.9661,
30.9582

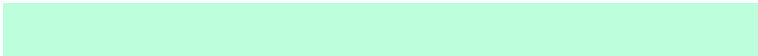
Harmonies

Analogous

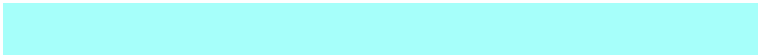
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8055, 87.5593, 66.1131



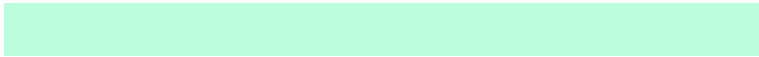
69.7974, 87.5593, 81.6285



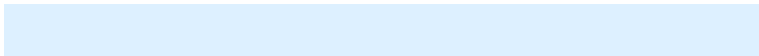
69.2535, 87.5593, 103.4262

Triad

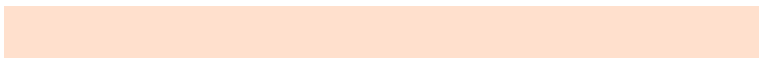
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7974, 87.5593, 81.6285



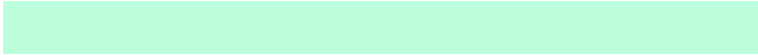
86.0010, 87.5593, 144.4386



95.2291, 87.5593, 69.9434

Complementary

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



69.7974, 87.5593, 81.6285



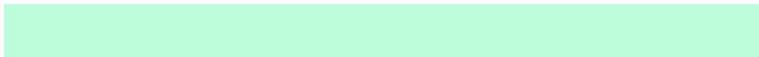
72.7573, 62.9838, 78.1344

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.



98.9539, 87.5593, 87.6813



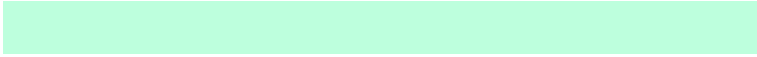
69.7974, 87.5593, 81.6285



93.4082, 87.5593, 132.1088

Square

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



69.7974, 87.5593, 81.6285



78.2870, 87.5593, 142.1347



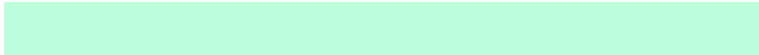
98.2673, 87.5593, 110.5007



88.3612, 87.5593, 60.1367

Rectangle

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



69.7974, 87.5593, 81.6285



70.8892, 87.5593, 118.9856



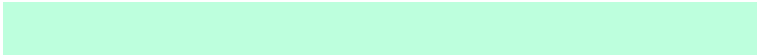
98.2673, 87.5593, 110.5007



96.9092, 87.5593, 75.0502

Sweetspot

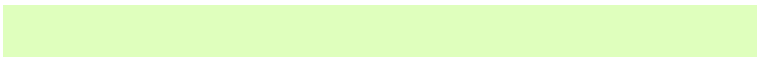
The Sweet Spot groups the original color and five complimentary colors.



69.7982, 87.5596, 81.6299



86.2929, 95.6757, 99.8986



75.4081, 90.8982, 61.7159



18.1385, 20.3149, 21.0325



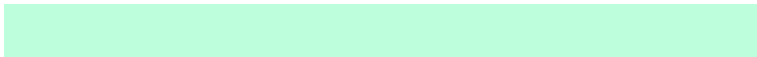
0.0000, 0.0000, 0.0000



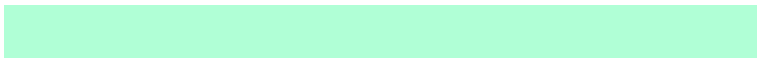
20.3446, 21.4041, 23.3091

Same Dimension

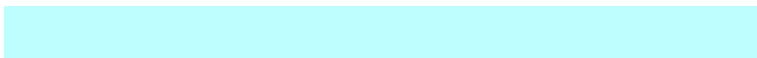
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7982, 87.5596, 81.6299



65.8264, 85.6136, 76.8605



74.6201, 89.4884, 107.0221



18.1385, 20.3149, 21.0325



20.6492, 38.1563, 16.5699



2.0655, 3.7371, 1.9026

Inverse Universe

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



72.7573, 62.9838, 78.1344



69.2372, 57.2837, 72.8296



68.7434, 61.3782, 56.9977



18.4000, 18.1433, 20.7238



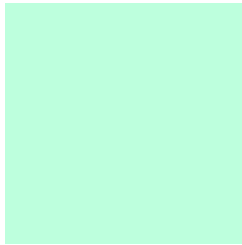
23.7780, 12.0005, 12.7475



2.3704, 1.1905, 1.5320

Previews

White Background



This preview shows how the XYZ color 69.7974, 87.5593, 81.6285 looks on a white background.

Color Contrast Check

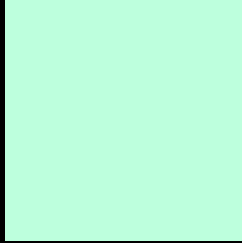
Large Text (above 18pt) WCAG AA × Fail

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 69.7974, 87.5593, 81.6285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

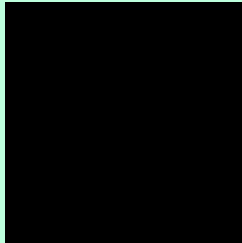
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

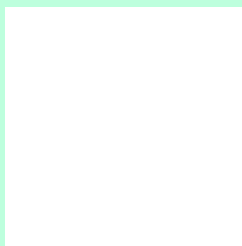
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7974, 87.5593, 81.6285

Background



This preview shows how black text looks on a background with the XYZ color 69.7974, 87.5593, 81.6285.



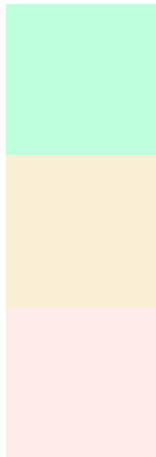
This preview shows how white text looks on a background with the XYZ color 69.7974, 87.5593,

81.6285.

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

69.7974, 87.5593, 81.6285

Protanopia

82.3011, 86.8611, 75.3789

Deuteranopia

85.9434, 87.1341, 89.3797



Tritanopia

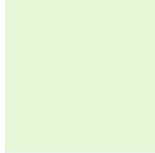
79.6141, 86.9814, 107.2007

Trichromacy



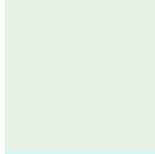
Original Color

69.7974, 87.5593, 81.6285



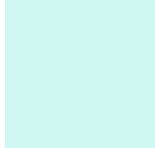
Protanomaly

77.0420, 86.7567, 77.6509



Deuteranomaly

79.1484, 86.7473, 86.7011



Tritanomaly

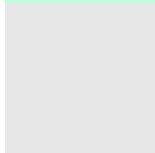
75.7575, 87.0158, 97.5969

Monochromacy



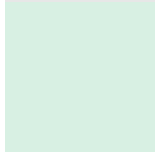
Original Color

69.7974, 87.5593, 81.6285



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3441, 82.4652, 84.7248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7974, 87.5593, 81.6285 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(189, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 221)  
}
```

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(189, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 69.7974, 87.5593, 81.6285 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(189, 255, 221) }
```


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

```
.border{ border-color:rgb(189, 255, 221) }
```

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

Here you see how a box with a 4 pixel rgb(189, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7974, 87.5593, 81.6285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 221) }
```

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

```
.background{ background-color: rgb(189,  
255, 221) }
```

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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