

Converting Colors

XYZ(69.8397, 87.5679, 82.2269)

Have a look what the booklet for
XYZ(69.8397, 87.5679, 82.2269)
contains.

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Color

**XYZ(69.9311, 87.6127,
82.3324)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDFE</code>
RGB	189, 255, 222
RGB Percent	74%, 100%, 87%
CMY	0.2588, 0.0000, 0.1294
CMYK	0.26, 0.00, 0.13, 0.00
HSL	150°, 100%, 87%
HSV	150°, 26%, 100%
XYZ	69.9311, 87.6127, 82.3324
YIQ	231.5040, -28.7430, -24.2550

Conversions

Conversions Part 2

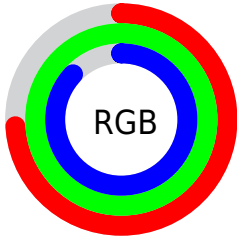
Format	Color
RYB	189, 233, 255
Decimal	12451806
CIELab	95.00, -27.05, 9.17
CIELCh	95, 28.564, 161.280
Yxy	87.6127, 0.2915, 0.3652
Android (android.graphics.Color)	4290641886 (0xFFBDFDE)
YUV	231.5040, -4.6855, -37.2760
Hunter-Lab	93.6017, -30.4431, 13.3694

Details

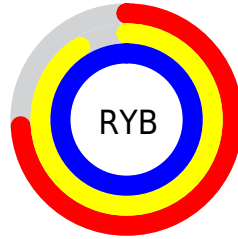
The XYZ color **69.9311, 87.6127, 82.3324** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.6230, 62.9302, 77.4266**, and the grayscale version is **76.3802, 80.3579, 87.5097**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **37.0007, 48.2465, 43.9216** is the 20% darker color. If you saturate the color by 10%, you get **62.5072, 83.9756, 73.3999**, and if you desaturate by 10%, it is **78.5979, 91.8757, 92.0005**.

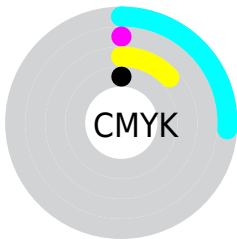
Distribution



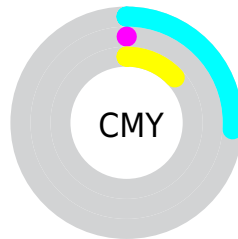
- Red (74%)
- Green (100%)
- Blue (87%)



- 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 69.9311, 87.6127, 82.3324 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 69.9311, 87.6127, 82.3324 by changing the saturation by 10% instead.


 69.9311, 87.6127,
82.3324

 69.9311, 87.6127,
82.3324


449.5782,
520.2341, 522.6715

 51.7498, 66.0024,
61.1022

 118.1373,
144.0178, 138.4809

 37.0291, 48.2743,
43.8765


148.8929,
179.5814, 174.2362

 25.4038, 34.0442,
30.2370


184.5706,
220.5649, 215.6704

 16.5085, 22.9275,
19.7649

225.5357,
267.3526, 263.2018

 9.9778, 14.5400,
12.0419

272.1537,
320.3290, 317.2491

 5.4464, 8.4972,
6.6493

324.7899,

 2.5489, 4.4147,

379.8784, 378.2308

3.1687

383.8096,
446.3853, 446.5654

■ 0.9200, 1.9081,
1.1814

■ 0.0000, 0.5533,
0.0000

■ 69.9311, 87.6127,
82.3324

■ 69.9311, 87.6127,
82.3324

■ 62.5072, 83.9756,
73.3999

■ 78.5979, 91.8757,
92.0005

■ 56.2627, 80.9319,
65.1810

■ 88.5620, 96.7921,
102.4169

■ 51.1320, 78.4481,
57.6587

■ 95.0500, 100.0000,
108.9000

■ 47.0417, 76.4867,
50.8137

■ 43.9089, 75.0055,
44.6255

■ 41.6374, 73.9550,
39.0724

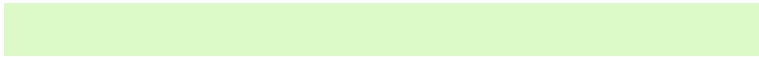
■ 40.1082, 73.2745,
34.1308

■ 39.6236, 73.0655,
32.2656

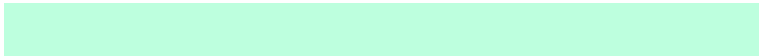
Harmonies

Analogous

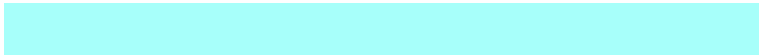
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8158, 87.6127, 66.7611



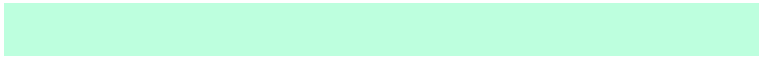
69.9311, 87.6127, 82.3324



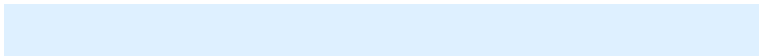
69.4862, 87.6127, 103.9968

Triad

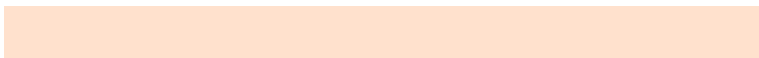
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9311, 87.6127, 82.3324



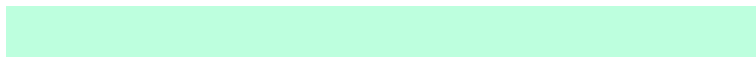
86.2248, 87.6127, 143.7159



94.9921, 87.6127, 69.8985

Complementary

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



69.9311, 87.6127, 82.3324



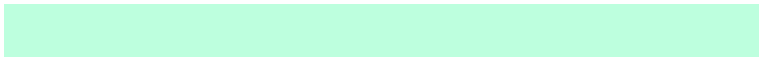
72.6230, 62.9302, 77.4266

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.



98.7731, 87.6127, 87.2817



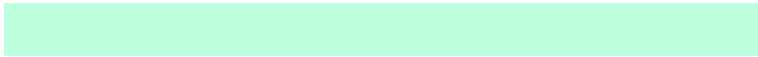
69.9311, 87.6127, 82.3324



93.5058, 87.6127, 131.2306

Square

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



69.9311, 87.6127, 82.3324



78.5775, 87.6127, 141.8389



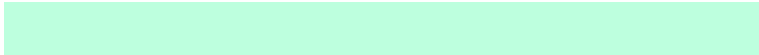
98.2128, 87.6127, 109.7717



88.1524, 87.6127, 60.3893

Rectangle

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



69.9311, 87.6127, 82.3324



71.1657, 87.6127, 119.3370



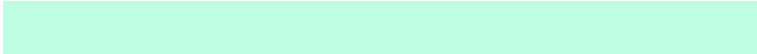
98.2128, 87.6127, 109.7717



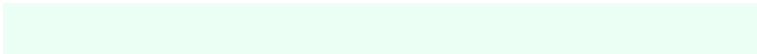
96.6815, 87.6127, 74.8912

Sweetspot

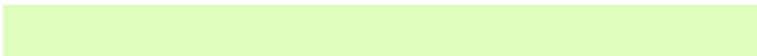
The Sweet Spot groups the original color and five complimentary colors.



69.9319, 87.6131, 82.3338



86.3400, 95.6945, 100.1467



75.0701, 90.7240, 61.7003



18.1504, 20.3197, 21.0949



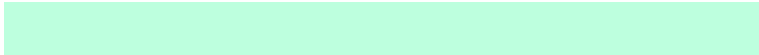
0.0000, 0.0000, 0.0000



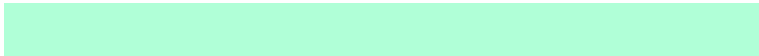
20.3446, 21.4041, 23.3091

Same Dimension

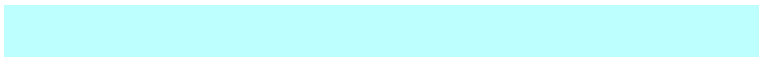
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9319, 87.6131, 82.3338



65.9802, 85.6751, 77.6705



74.7968, 89.5591, 107.9522



18.1504, 20.3197, 21.0949



20.7796, 38.2084, 17.2563



2.0784, 3.7423, 1.9705

Inverse Universe

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



72.6230, 62.9302, 77.4266



69.0823, 57.2218, 72.0137



68.6237, 61.3304, 56.3665



18.3882, 18.1386, 20.6613



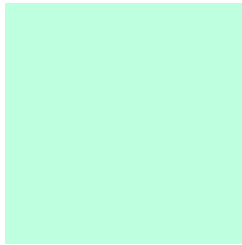
23.6428, 11.9464, 12.0353



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 69.9311, 87.6127, 82.3324 looks on a white background.

Color Contrast Check

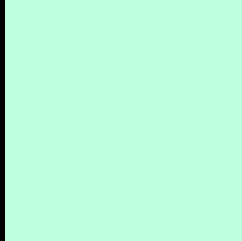
Large Text (above 18pt) WCAG AA × Fail

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 69.9311, 87.6127, 82.3324 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

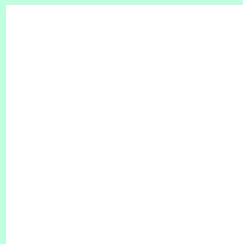
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9311, 87.6127, 82.3324

Background



This preview shows how black text looks on a background with the XYZ color 69.9311, 87.6127, 82.3324.



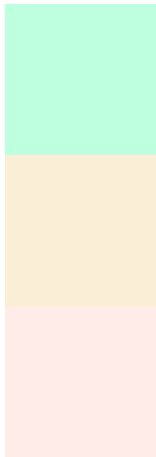
This preview shows how white text looks on a background with the XYZ color 69.9311, 87.6127,

82.3324.

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

69.9311, 87.6127, 82.3324

Protanopia

82.4284, 86.9120, 76.0496

Deuteranopia

85.9434, 87.1341, 89.3797



Tritanopia

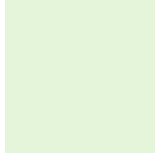
79.9159, 87.1370, 107.2148

Trichromacy



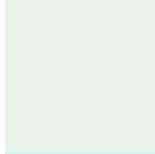
Original Color

69.9311, 87.6127, 82.3324



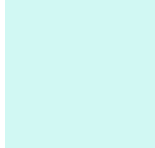
Protanomaly

77.1717, 86.8086, 78.3340



Deuteranomaly

79.1484, 86.7473, 86.7011



Tritanomaly

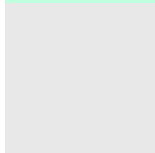
76.0396, 87.1612, 97.6101

Monochromacy



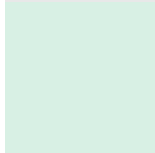
Original Color

69.9311, 87.6127, 82.3324



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.4826, 82.5205, 85.4539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9311, 87.6127, 82.3324 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 69.9311, 87.6127, 82.3324 is called "border". The border property can be set on classes, ids or directly on the HTML element.

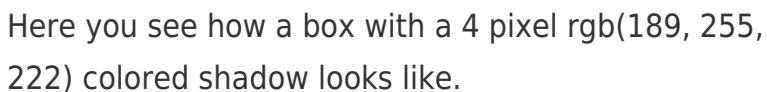
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 255, 222) }
```


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

```
.border{ border-color:rgb(189, 255, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9311, 87.6127, 82.3324 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, 222) }
```

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

```
.background{ background-color: rgb(189,  
255, 222) }
```

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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