

Converting Colors

XYZ(75.8836, 100.0000,
87.5242)

Have a look what the booklet for
XYZ(75.8836, 100.0000, 87.5242)
contains.

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Color

**XYZ(69.4951, 87.3253,
85.1442)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B9FFE2 |
| RGB | 185, 255, 226 |
| RGB Percent | 73%, 100%, 89% |
| CMY | 0.2745, 0.0000, 0.1137 |
| CMYK | 0.27, 0.00, 0.11, 0.00 |
| HSL | 155°, 100%, 86% |
| HSV | 155°, 27%, 100% |
| XYZ | 69.4951, 87.3253, 85.1442 |
| YIQ | 230.7640, -32.4110, -23.8590 |

Conversions

Conversions Part 2

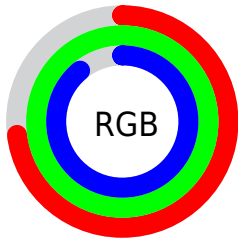
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 185, 229, 255 |
| Decimal | 12189666 |
| CIELab | 94.88, -27.47, 6.91 |
| CIELCh | 95, 28.324, 165.886 |
| Yxy | 87.3253, 0.2872, 0.3609 |
| Android (android.graphics.Color) | 4290379746 (0xFFB9FFE2) |
| YUV | 230.7640, -2.3487, -40.1350 |
| Hunter-Lab | 93.4480, -30.7877, 11.3921 |

Details

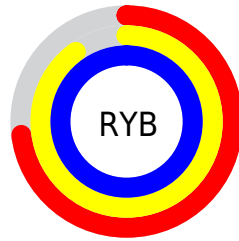
The XYZ color **69.4951, 87.3253, 85.1442** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.7272, 60.8140, 71.6293**, and the grayscale version is **75.8142, 79.7624, 86.8613**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **36.7507, 48.0743, 45.8704** is the 20% darker color. If you saturate the color by 10%, you get **62.4801, 83.8713, 77.4812**, and if you desaturate by 10%, it is **77.7044, 91.3846, 93.3322**.

Distribution



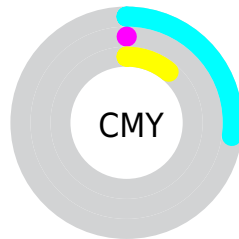
- Red (73%)
- Green (100%)
- Blue (89%)



- Red (73%)
- Yellow (90%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4951, 87.3253, 85.1442 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 69.4951, 87.3253, 85.1442 by changing the saturation by 10% instead.

69.4951, 87.3253,
85.1442

69.4951, 87.3253,
85.1442

448.0693,
519.2912, 532.2621

51.3931, 65.7644,
63.4097

117.5187,
143.6175, 142.4506

36.7439, 48.0812,
45.7296

148.1709,
179.1176, 178.8595

25.1820, 33.8912,
31.6854

183.7374,
220.0329, 220.9971

16.3422, 22.8100,
20.8585

224.5833,
266.7478, 269.2817

9.8590, 14.4533,
12.8304

271.0742,
319.6466, 324.1320

5.3671, 8.4366,
7.1825

323.5752,

2.5012, 4.3756,

379.1139, 385.9665

3.4963

382.4518,
445.5340, 455.2037

■ 0.8959, 1.8858,
1.3533

■ 0.0000, 0.5398,
0.1049

■ 69.4951, 87.3253,
85.1442

■ 69.4951, 87.3253,
85.1442

■ 62.4801, 83.8713,
77.4812

■ 77.7044, 91.3846,
93.3322

■ 56.5962, 80.9902,
70.3277

■ 87.1615, 96.0767,
102.0516

■ 51.7781, 78.6487,
63.6735

95.0500, 100.0000,
108.9000

■ 47.9526, 76.8092,
57.5063

■ 45.0366, 75.4289,
51.8132

■ 42.9324, 74.4578,
46.5803

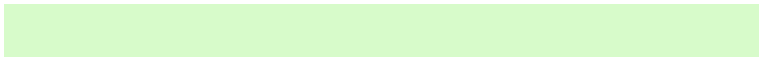
■ 41.5133, 73.8307,
41.7919

■ 41.2136, 73.7015,
40.6385

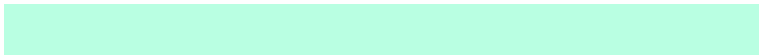
Harmonies

Analogous

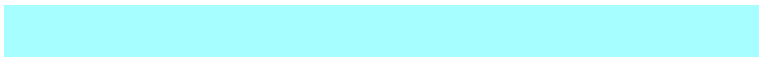
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8494, 87.3253, 68.5930



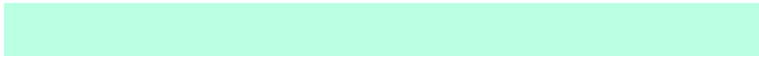
69.4951, 87.3253, 85.1442



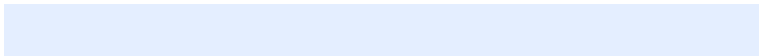
69.6001, 87.3253, 107.1266

Triad

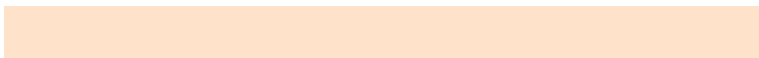
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4951, 87.3253, 85.1442



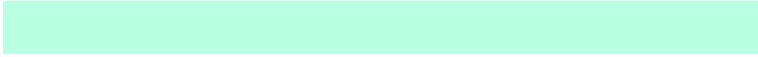
87.1054, 87.3253, 141.8001



93.7021, 87.3253, 67.8522

Complementary

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



69.4951, 87.3253, 85.1442



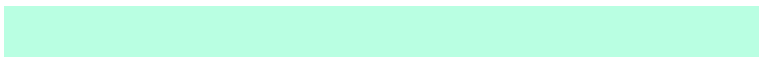
70.7272, 60.8140, 71.6293

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.



98.0182, 87.3253, 83.9766



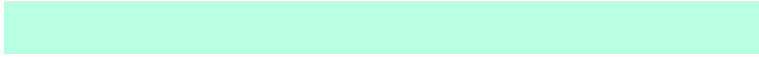
69.4951, 87.3253, 85.1442



94.0524, 87.3253, 127.6402

Square

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



69.4951, 87.3253, 85.1442



79.4532, 87.3253, 142.2422



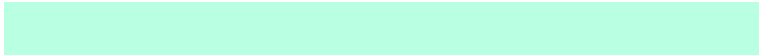
98.1503, 87.3253, 105.7653



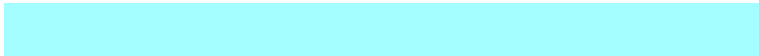
86.6509, 87.3253, 59.7020

Rectangle

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



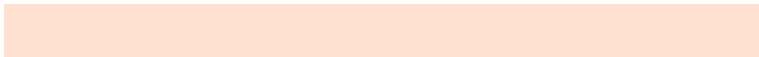
69.4951, 87.3253, 85.1442



71.6088, 87.3253, 122.0703



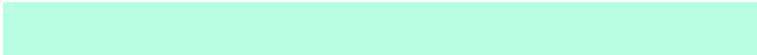
98.1503, 87.3253, 105.7653



95.5395, 87.3253, 72.3978

Sweetspot

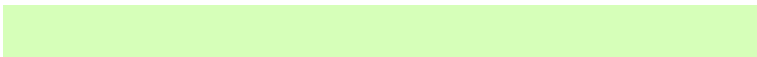
The Sweet Spot groups the original color and five complimentary colors.



69.4959, 87.3257, 85.1456



86.6080, 95.8017, 101.5580



72.2979, 89.3443, 59.3350



18.2179, 20.3467, 21.4504



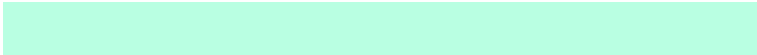
0.0000, 0.0000, 0.0000



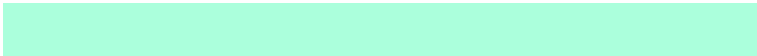
20.3446, 21.4041, 23.3091

Same Dimension

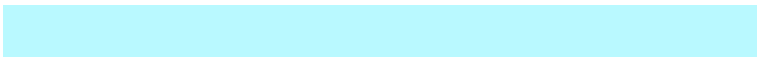
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4959, 87.3257, 85.1456



65.4586, 85.3358, 80.8281



71.9855, 85.3892, 107.2955



18.2179, 20.3467, 21.4504



21.6111, 38.5410, 21.6353



2.1586, 3.7744, 2.3932

Inverse Universe

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



70.7272, 60.8140, 71.6293



66.8801, 54.7714, 65.2556



68.5922, 61.9528, 54.2432



18.3214, 18.1119, 20.3098



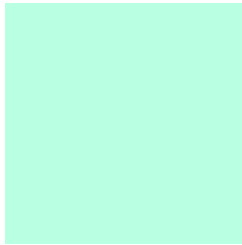
22.9684, 11.6767, 8.4843



2.2892, 1.1581, 1.1043

Previews

White Background



This preview shows how the XYZ color 69.4951, 87.3253, 85.1442 looks on a white background.

Color Contrast Check

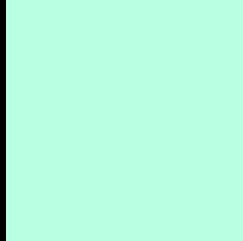
Large Text (above 18pt) WCAG AA × Fail

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 69.4951, 87.3253, 85.1442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

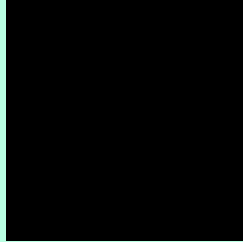
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

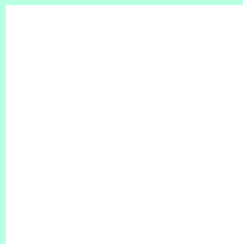
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.4951, 87.3253, 85.1442

Background



This preview shows how black text looks on a background with the XYZ color 69.4951, 87.3253, 85.1442.



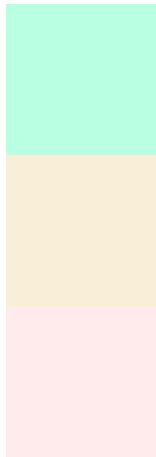
This preview shows how white text looks on a background with the XYZ color 69.4951, 87.3253,

85.1442.

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

69.4951, 87.3253, 85.1442

Protanopia

82.4578, 86.8825, 78.0696

Deuteranopia

85.9437, 86.6748, 90.7975



Tritanopia

79.0160, 86.6731, 107.1727

Trichromacy



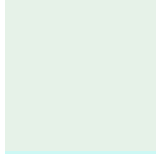
Original Color

69.4951, 87.3253, 85.1442



Protanomaly

76.9347, 86.6409, 80.3786



Deuteranomaly

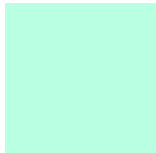
78.9507, 86.1535, 88.8121



Tritanomaly

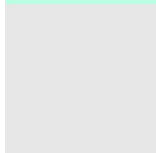
75.0734, 86.6456, 98.3554

Monochromacy



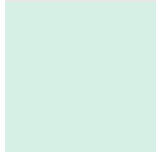
Original Color

69.4951, 87.3253, 85.1442



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0345, 82.2735, 86.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4951, 87.3253, 85.1442 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(185, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 226)  
}
```

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(185, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 69.4951, 87.3253, 85.1442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

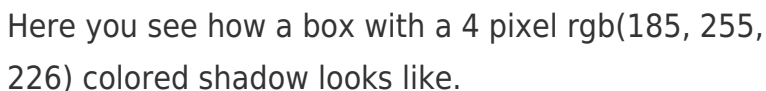
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 255, 226) }
```


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

```
.border{ border-color:rgb(185, 255, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 255, 226); box-shadow:4px 4px 4px 4px rgb(185, 255, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4951, 87.3253, 85.1442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 226) }
```

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

```
.background{ background-color: rgb(185,  
255, 226) }
```

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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