

Converting Colors

XYZ(69.7492, 87.4573, 85.1123)

Have a look what the booklet for
XYZ(69.7492, 87.4573, 85.1123)
contains.

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Color

**XYZ(69.7372, 87.4501,
85.1555)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFE2
RGB	186, 255, 226
RGB Percent	73%, 100%, 89%
CMY	0.2706, 0.0000, 0.1137
CMYK	0.27, 0.00, 0.11, 0.00
HSL	155°, 100%, 86%
HSV	155°, 27%, 100%
XYZ	69.7372, 87.4501, 85.1555
YIQ	231.0630, -31.8150, -23.6470

Conversions

Conversions Part 2

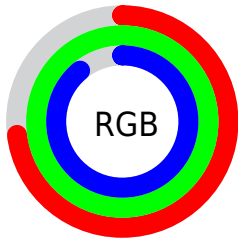
Format	Color
RYB	186, 230, 255
Decimal	12255202
CIELab	94.93, -27.17, 6.99
CIELCh	95, 28.059, 165.575
Yxy	87.4501, 0.2878, 0.3609
Android (android.graphics.Color)	4290445282 (0xFFBAFFE2)
YUV	231.0630, -2.4961, -39.5203
Hunter-Lab	93.5148, -30.5372, 11.4702

Details

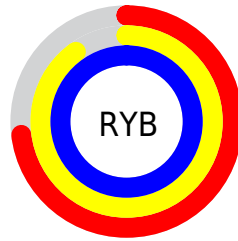
The XYZ color **69.7372, 87.4501, 85.1555** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0652, 61.2852, 72.3740**, and the grayscale version is **76.0373, 79.9971, 87.1169**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **36.9048, 48.1537, 45.8776** is the 20% darker color. If you saturate the color by 10%, you get **62.6603, 83.9664, 77.3866**, and if you desaturate by 10%, it is **78.0132, 91.5412, 93.4632**.

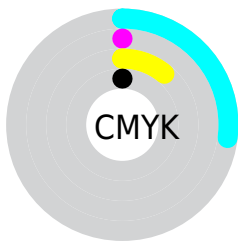
Distribution



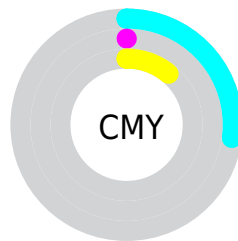
- Red (73%)
- Green (100%)
- Blue (89%)



- 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 69.7372, 87.4501, 85.1555 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 69.7372, 87.4501, 85.1555 by changing the saturation by 10% instead.


 69.7372, 87.4501,
85.1555

 69.7372, 87.4501,
85.1555


448.9075,
519.7007, 532.3005

 51.5911, 65.8677,
63.4190

 117.8622,
143.7913, 142.4665

 36.9022, 48.1651,
45.7371


148.5719,
179.3190, 178.8781

 25.3051, 33.9576,
31.6912


184.2001,
220.2639, 221.0184

 16.4345, 22.8610,
20.8629

225.1123,
267.0105, 269.3060

 9.9249, 14.4909,
12.8336

271.6738,
319.9430, 324.1595

 5.4111, 8.4629,
7.1847

324.2499,

 2.5276, 4.3925,

379.4460, 385.9974

3.4977

383.2061,
445.9038, 455.2382

0.9092, 1.8955,
1.3540

0.0000, 0.5457,
0.1055

69.7372, 87.4501,
85.1555

69.7372, 87.4501,
85.1555

62.6603, 83.9664,
77.3866

78.0132, 91.5412,
93.4632

56.7194, 81.0580,
70.1408

87.5418, 96.2673,
102.3164

51.8495, 78.6915,
63.4073

95.0500, 100.0000,
108.9000

47.9775, 76.8294,
57.1736

■ 45.0208, 75.4293,
51.4263

■ 42.8822, 74.4413,
46.1510

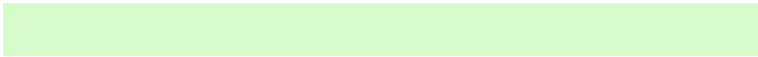
■ 41.4384, 73.8022,
41.3319

■ 41.0918, 73.6527,
39.9968

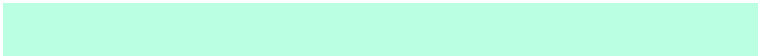
Harmonies

Analogous

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



73.1002, 87.4501, 68.7933



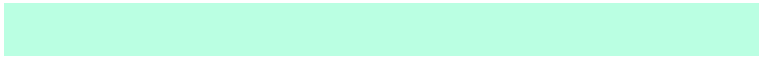
69.7372, 87.4501, 85.1555



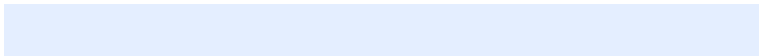
69.8049, 87.4501, 106.9196

Triad

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



69.7372, 87.4501, 85.1555



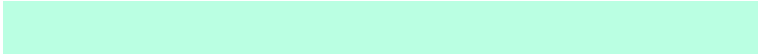
87.1099, 87.4501, 141.5608



93.7879, 87.4501, 68.3154

Complementary

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



69.7372, 87.4501, 85.1555



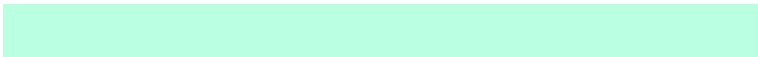
71.0652, 61.2852, 72.3740

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.



98.0261, 87.4501, 84.4035



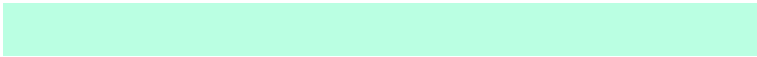
69.7372, 87.4501, 85.1555



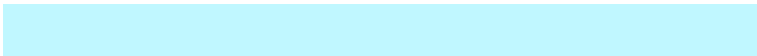
94.0132, 87.4501, 127.6681

Square

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



69.7372, 87.4501, 85.1555



79.5265, 87.4501, 141.8446



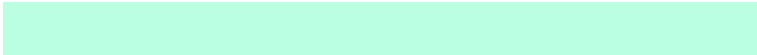
98.1110, 87.4501, 106.0442



86.8175, 87.4501, 60.1253

Rectangle

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



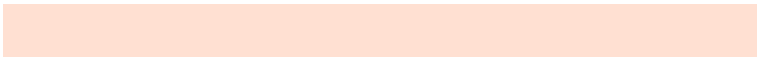
69.7372, 87.4501, 85.1555



71.7760, 87.4501, 121.7390



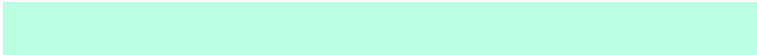
98.1110, 87.4501, 106.0442



95.5976, 87.4501, 72.8594

Sweetspot

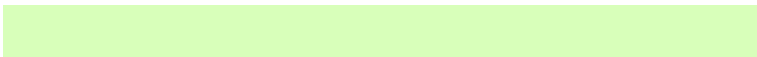
The Sweet Spot groups the original color and five complimentary colors.



69.7380, 87.4505, 85.1569



86.5891, 95.7942, 101.4587



72.9130, 89.6492, 59.9169



18.2131, 20.3448, 21.4253



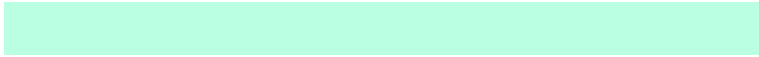
0.0000, 0.0000, 0.0000



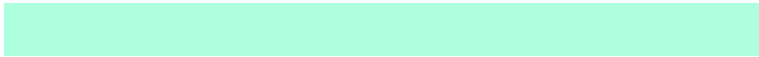
20.3446, 21.4041, 23.3091

Same Dimension

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



69.7380, 87.4505, 85.1569



66.0941, 85.6547, 81.2505



72.6104, 86.2796, 107.4344



18.2131, 20.3448, 21.4253



21.5476, 38.5156, 21.3006



2.1526, 3.7720, 2.3614

Inverse Universe

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



71.0652, 61.2852, 72.3740



67.6080, 55.8398, 66.6925



68.6474, 61.8937, 54.7843



18.3261, 18.1137, 20.3343



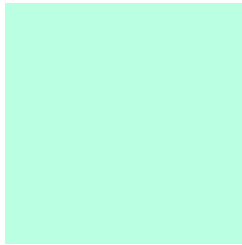
23.0108, 11.6936, 8.7071



2.2936, 1.1598, 1.1274

Previews

White Background



This preview shows how the XYZ color 69.7372, 87.4501, 85.1555 looks on a white background.

Color Contrast Check

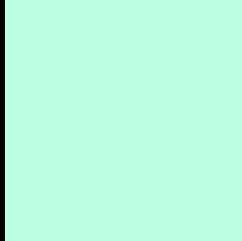
Large Text (above 18pt) WCAG AA × Fail

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 69.7372, 87.4501, 85.1555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

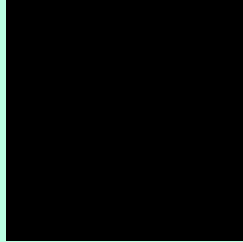
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

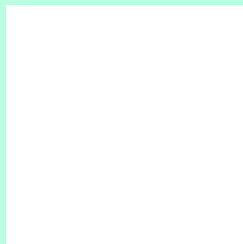
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7372, 87.4501, 85.1555

Background



This preview shows how black text looks on a background with the XYZ color 69.7372, 87.4501, 85.1555.



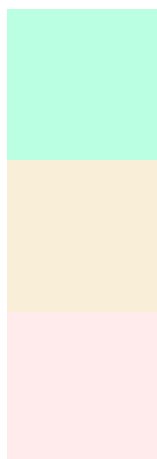
This preview shows how white text looks on a background with the XYZ color 69.7372, 87.4501,

85.1555.

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

69.7372, 87.4501, 85.1555

Protanopia

82.4578, 86.8825, 78.0696

Deuteranopia

85.9437, 86.6748, 90.7975



Tritanopia

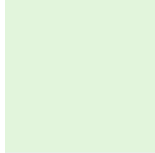
79.3141, 86.8268, 107.1867

Trichromacy



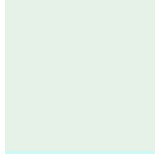
Original Color

69.7372, 87.4501, 85.1555



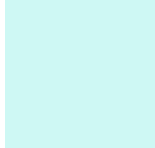
Protanomaly

76.9347, 86.6409, 80.3786



Deuteranomaly

78.9507, 86.1535, 88.8121



Tritanomaly

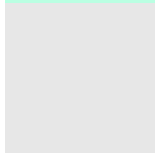
75.3501, 86.7883, 98.3684

Monochromacy



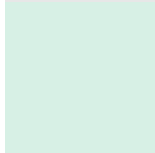
Original Color

69.7372, 87.4501, 85.1555



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3273, 82.4244, 86.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7372, 87.4501, 85.1555 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(186, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 69.7372, 87.4501, 85.1555 is called "border". The border property can be set on classes, ids or directly on the HTML element.

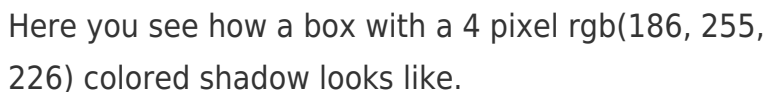
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 255, 226) }
```


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

```
.border{ border-color:rgb(186, 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(186, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 255, 226); box-shadow:4px 4px 4px 4px rgb(186, 255, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7372, 87.4501, 85.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 226) }
```

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

```
.background{ background-color: rgb(186,  
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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