

Converting Colors

XYZ(75.2747, 100.0000,
74.5757)

Have a look what the booklet for
XYZ(75.2747, 100.0000, 74.5757)
contains.

XYZ(69.0148, 87.3625, 72.2567)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.0148, 87.3625,
72.2567)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFCF
RGB	193, 255, 207
RGB Percent	76%, 100%, 81%
CMY	0.2431, 0.0000, 0.1882
CMYK	0.24, 0.00, 0.19, 0.00
HSL	134°, 100%, 88%
HSV	134°, 24%, 100%
XYZ	69.0148, 87.3625, 72.2567
YIQ	230.9900, -21.5440, -28.0720

Conversions

Conversions Part 2

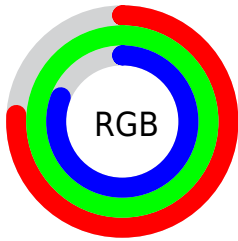
Format	Color
RYB	193, 244, 255
Decimal	12713935
CIELab	94.89, -28.58, 16.74
CIElCh	95, 33.121, 149.634
Yxy	87.3625, 0.3019, 0.3821
Android (android.graphics.Color)	4290904015 (0xFFC1FFCF)
YUV	230.9900, -11.8271, -33.3172
Hunter-Lab	93.4679, -31.7681, 19.5926

Details

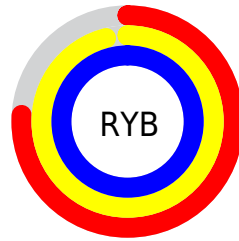
The XYZ color **69.0148, 87.3625, 72.2567** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.1874, 65.7514, 91.8943**, and the grayscale version is **76.0445, 80.0048, 87.1252**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **36.4251, 48.0913, 37.4997** is the 20% darker color. If you saturate the color by 10%, you get **60.8001, 83.3892, 60.0514**, and if you desaturate by 10%, it is **78.6534, 92.0348, 86.1067**.

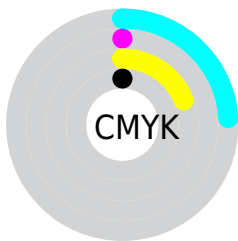
Distribution



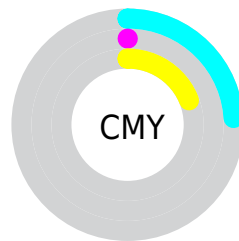
- Red (76%)
- Green (100%)
- Blue (81%)



- Red (76%)
- Yellow (96%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0148, 87.3625, 72.2567 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 69.0148, 87.3625, 72.2567 by changing the saturation by 10% instead.


 69.0148, 87.3625,
72.2567

 69.0148, 87.3625,
72.2567


446.4037,
519.4133, 487.4361

 51.0004, 65.7952,
52.8803


 116.8367,
143.6693, 124.1325

 36.4300, 48.1062,
37.3201


147.3749,
179.1776, 157.4690

 24.9381, 33.9110,
25.1577


182.8185,
220.1017, 196.2960

 16.1594, 22.8252,
15.9745

223.5327,
266.8261, 241.0319

 9.7286, 14.4645,
9.3520

269.8830,
319.7350, 292.0953

 5.2803, 8.4444,
4.8715

322.2347,

 2.4491, 4.3806,

379.2129, 349.9048

2.1147

380.9532,
445.6442, 414.8789

■ 0.8696, 1.8887,
0.6245

■ 0.0000, 0.5416,
0.0000

■ 69.0148, 87.3625,
72.2567

■ 69.0148, 87.3625,
72.2567

■ 60.8001, 83.3892,
60.0514

■ 78.6534, 92.0348,
86.1067

■ 53.9387, 80.0802,
49.4255

■ 89.7779, 97.4370,
101.6552

■ 48.3570, 77.3985,
40.3155

95.0500, 100.0000,
108.9000

■ 43.9732, 75.3037,
32.6520

■ 40.6958, 73.7500,
26.3600

■ 38.4196, 72.6849,
21.3578

■ 37.0173, 72.0448,
17.5546

■ 36.5132, 71.8213,
15.8863

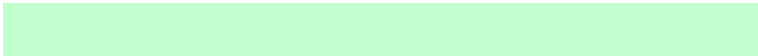
Harmonies

Analogous

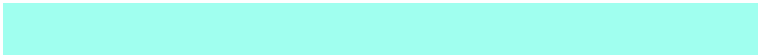
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7896, 87.3625, 58.2989



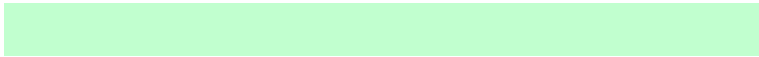
69.0148, 87.3625, 72.2567



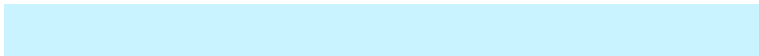
66.9428, 87.3625, 94.8072

Triad

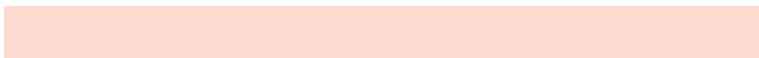
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.0148, 87.3625, 72.2567



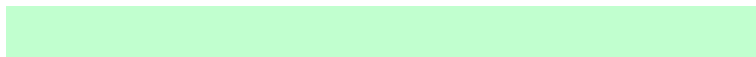
82.9251, 87.3625, 153.6152



98.9609, 87.3625, 72.7134

Complementary

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



69.0148, 87.3625, 72.2567



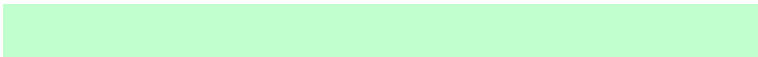
76.1874, 65.7514, 91.8943

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.



101.5201, 87.3625, 95.4393



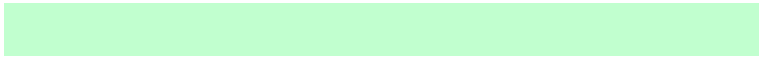
69.0148, 87.3625, 72.2567



91.8661, 87.3625, 144.8872

Square

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



69.0148, 87.3625, 72.2567



74.6114, 87.3625, 144.4692



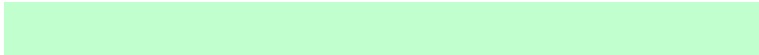
98.8369, 87.3625, 122.3662



92.0708, 87.3625, 58.5272

Rectangle

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



69.0148, 87.3625, 72.2567



67.8156, 87.3625, 112.7191



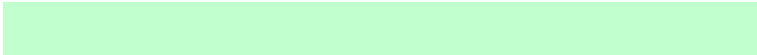
98.8369, 87.3625, 122.3662



100.3774, 87.3625, 79.4605

Sweetspot

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



69.0154, 87.3627, 72.2581



86.6394, 95.9121, 97.3074



81.8553, 94.1710, 64.3155



18.3967, 20.4574, 20.6224



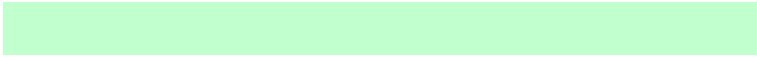
0.0000, 0.0000, 0.0000



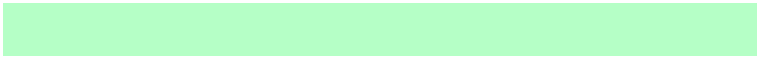
20.3446, 21.4041, 23.3091

Same Dimension

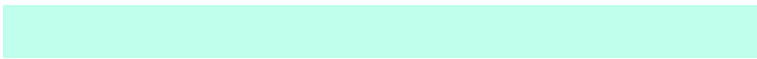
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0154, 87.3627, 72.2581



64.9920, 85.4155, 66.3362



73.1022, 88.9975, 93.7788



17.9395, 20.2353, 19.9845



19.1249, 37.5465, 8.5429



1.9013, 3.6715, 1.0382

Inverse Universe

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



76.1874, 65.7514, 91.8943



73.2508, 60.5188, 88.9410



72.0140, 64.0821, 69.9178



18.6068, 18.2260, 21.8125



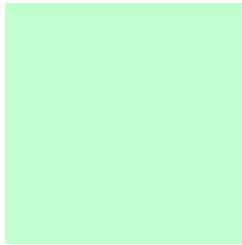
26.8989, 13.2489, 29.1820



2.6600, 1.3064, 3.0570

Previews

White Background



This preview shows how the XYZ color 69.0148, 87.3625, 72.2567 looks on a white background.

Color Contrast Check

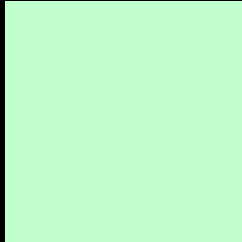
Large Text (above 18pt) WCAG AA × Fail

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 69.0148, 87.3625, 72.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

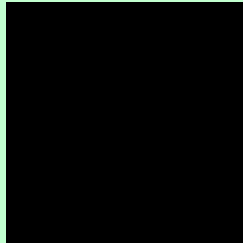
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

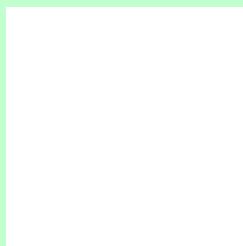
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0148, 87.3625, 72.2567

Background



This preview shows how black text looks on a background with the XYZ color 69.0148, 87.3625, 72.2567.

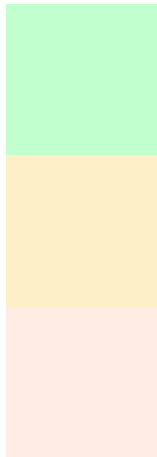


This preview shows how white text looks on a background with the XYZ color 69.0148, 87.3625,

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

69.0148, 87.3625, 72.2567

Protanopia

81.6833, 86.7392, 66.4700

Deuteranopia

85.2390, 86.8523, 85.6704



Tritanopia

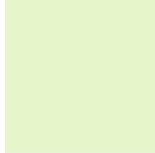
80.2195, 87.2935, 107.2291

Trichromacy



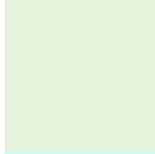
Original Color

69.0148, 87.3625, 72.2567



Protanomaly

76.2681, 86.5580, 68.5647



Deuteranomaly

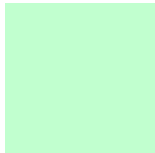
78.2476, 86.4243, 80.2676



Tritanomaly

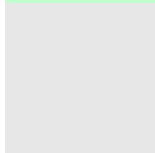
75.8640, 87.1567, 93.7134

Monochromacy



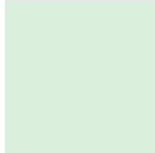
Original Color

69.0148, 87.3625, 72.2567



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9602, 82.3458, 81.1562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0148, 87.3625, 72.2567 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(193, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 207)  
}
```

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(193, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 69.0148, 87.3625, 72.2567 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(193, 255, 207) }
```


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

```
.border{ border-color:rgb(193, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0148, 87.3625, 72.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 207) }
```

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

```
.background{ background-color: rgb(193,  
255, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor