

Converting Colors

XYZ(74.8550, 100.0000,
74.6316)

Have a look what the booklet for
XYZ(74.8550, 100.0000, 74.6316)
contains.

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Color

**XYZ(68.2577, 86.9721,
72.2212)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFFCF
RGB	190, 255, 207
RGB Percent	75%, 100%, 81%
CMY	0.2549, 0.0000, 0.1882
CMYK	0.25, 0.00, 0.19, 0.00
HSL	136°, 100%, 87%
HSV	136°, 25%, 100%
XYZ	68.2577, 86.9721, 72.2212
YIQ	230.0930, -23.3320, -28.7080

Conversions

Conversions Part 2

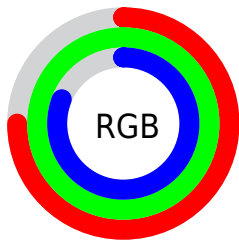
Format	Color
RYB	190, 242, 255
Decimal	12517327
CIELab	94.73, -29.51, 16.49
CIELCh	95, 33.806, 150.811
Yxy	86.9721, 0.3001, 0.3824
Android (android.graphics.Color)	4290707407 (0xFFBEFFCF)
YUV	230.0930, -11.3848, -35.1616
Hunter-Lab	93.2588, -32.5558, 19.3660

Details

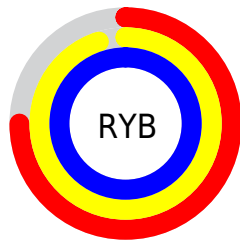
The XYZ color **68.2577, 86.9721, 72.2212** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.0864, 64.2608, 89.3348**, and the grayscale version is **75.3763, 79.3017, 86.3596**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.9355, 47.8390, 37.4768** is the 20% darker color. If you saturate the color by 10%, you get **60.2692, 83.1043, 60.5382**, and if you desaturate by 10%, it is **77.6364, 91.5250, 85.4053**.

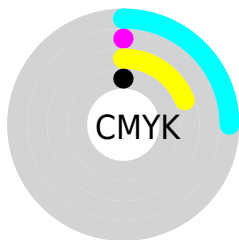
Distribution



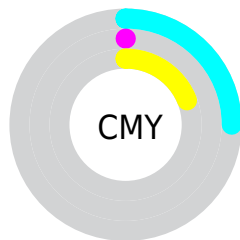
- Red (75%)
- Green (100%)
- Blue (81%)



- Red (75%)
- Yellow (95%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2577, 86.9721, 72.2212 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 68.2577, 86.9721, 72.2212 by changing the saturation by 10% instead.


 68.2577, 86.9721,
72.2212

 68.2577, 86.9721,
72.2212


443.7709,
518.1312, 487.3094

 50.3819, 65.4721,
52.8514

 115.7606,
143.1253, 124.0816

 35.9359, 47.8440,
37.2973


146.1184,
178.5472, 157.4094

 24.5546, 33.7034,
25.1402

181.3675,
219.3786, 196.2268

 15.8725, 22.6658,
15.9615

221.8734,
266.0039, 240.9526

 9.5242, 14.3469,
9.3429

268.0013,
318.8074, 292.0052

 5.1445, 8.3624,
4.8656

320.1166,

 2.3679, 4.3277,

378.1735, 349.8032

2.1113

378.5847,
444.4866, 414.7651

■ 0.8291, 1.8585,
0.6225

■ 0.0000, 0.5232,
0.0000

■ 68.2577, 86.9721,
72.2212

■ 68.2577, 86.9721,
72.2212

■ 60.2692, 83.1043,
60.5382

■ 77.6364, 91.5250,
85.4053

■ 53.6013, 79.8865,
50.2988

■ 88.4663, 96.7931,
100.1370

■ 48.1810, 77.2826,
41.4478

95.0500, 100.0000,
108.9000

■ 43.9277, 75.2520,
33.9251

■ 40.7504, 73.7493,
27.6657

■ 38.5443, 72.7218,
22.5994

■ 37.1812, 72.1052,
18.6486

■ 36.7640, 71.9216,
17.2070

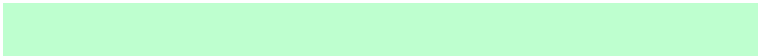
Harmonies

Analogous

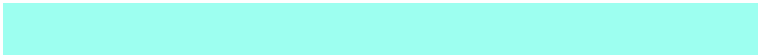
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9893, 86.9721, 57.7288



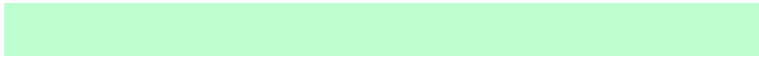
68.2577, 86.9721, 72.2212



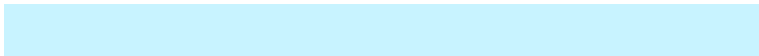
66.3148, 86.9721, 95.4119

Triad

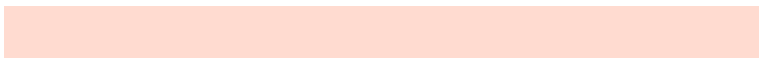
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2577, 86.9721, 72.2212



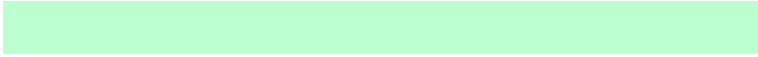
82.9133, 86.9721, 154.4330



98.6875, 86.9721, 71.1962

Complementary

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



68.2577, 86.9721, 72.2212



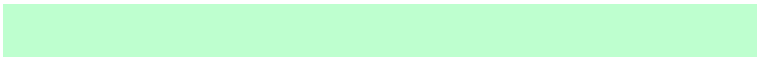
75.0864, 64.2608, 89.3348

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.



101.5020, 86.9721, 93.9873



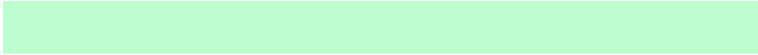
68.2577, 86.9721, 72.2212



91.9923, 86.9721, 144.8095

Square

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



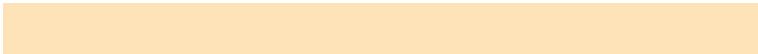
68.2577, 86.9721, 72.2212



74.3902, 86.9721, 145.7570



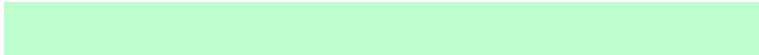
98.9677, 86.9721, 121.4121



91.5304, 86.9721, 57.2182

Rectangle

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



68.2577, 86.9721, 72.2212



67.3076, 86.9721, 113.7199



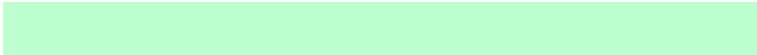
98.9677, 86.9721, 121.4121



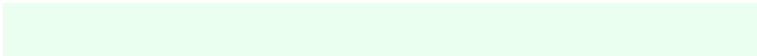
100.1955, 86.9721, 77.9249

Sweetspot

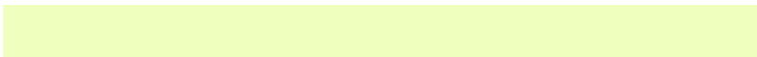
The Sweet Spot groups the original color and five complimentary colors.



68.2584, 86.9725, 72.2226



85.6076, 95.4016, 96.2903



80.5669, 93.5451, 62.5260



17.9666, 20.2462, 20.1269



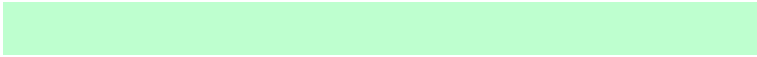
0.0000, 0.0000, 0.0000



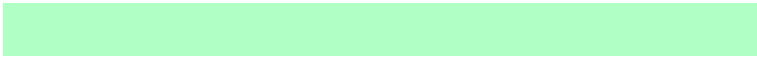
20.3446, 21.4041, 23.3091

Same Dimension

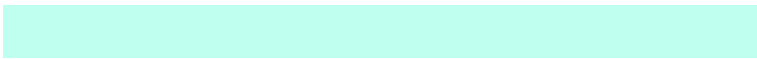
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2584, 86.9725, 72.2226



63.6884, 84.7583, 65.6019



72.5388, 88.6846, 94.7629



17.9666, 20.2462, 20.1269



19.2616, 37.6012, 9.2626



1.9180, 3.6781, 1.1259

Inverse Universe

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



75.0864, 64.2608, 89.3348



71.6535, 58.2502, 85.5534



70.8250, 62.5562, 66.8944



18.5779, 18.2145, 21.6602



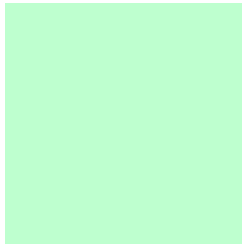
26.3735, 13.0387, 26.4153



2.6128, 1.2875, 2.8082

Previews

White Background



This preview shows how the XYZ color 68.2577, 86.9721, 72.2212 looks on a white background.

Color Contrast Check

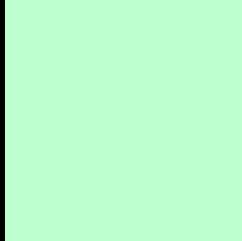
Large Text (above 18pt) WCAG AA × Fail

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 68.2577, 86.9721, 72.2212 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

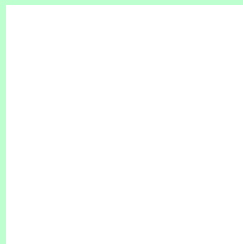
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2577, 86.9721, 72.2212

Background



This preview shows how black text looks on a background with the XYZ color 68.2577, 86.9721, 72.2212.

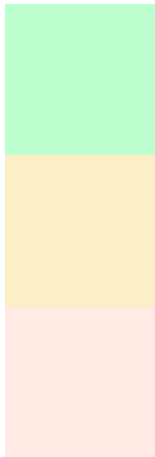


This preview shows how white text looks on a background with the XYZ color 68.2577, 86.9721,

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

68.2577, 86.9721, 72.2212

Protanopia

81.0282, 85.9680, 66.3557

Deuteranopia

84.8135, 86.2227, 84.8455



Tritanopia

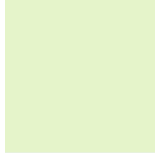
79.3140, 86.3813, 107.1007

Trichromacy



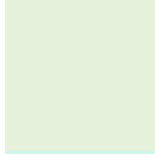
Original Color

68.2577, 86.9721, 72.2212



Protanomaly

75.3245, 85.6236, 68.4341



Deuteranomaly

77.6254, 85.6605, 80.1530



Tritanomaly

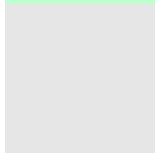
74.7058, 86.1045, 93.5713

Monochromacy



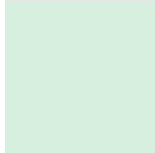
Original Color

68.2577, 86.9721, 72.2212



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0756, 81.4540, 81.0306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2577, 86.9721, 72.2212 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(190, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 68.2577, 86.9721, 72.2212 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(190, 255, 207) }
```


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

```
.border{ border-color:rgb(190, 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(190, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2577, 86.9721, 72.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 207) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

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