

Converting Colors

XYZ(68.3080, 86.5242, 72.7661)

Have a look what the booklet for
XYZ(68.3080, 86.5242, 72.7661)
contains.

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Color

**XYZ(68.3128, 86.5141,
72.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFED0
RGB	191, 254, 208
RGB Percent	75%, 100%, 82%
CMY	0.2510, 0.0039, 0.1843
CMYK	0.25, 0.00, 0.18, 0.00
HSL	136°, 97%, 87%
HSV	136°, 25%, 100%
XYZ	68.3128, 86.5141, 72.7729
YIQ	229.9190, -22.7820, -27.6620

Conversions

Conversions Part 2

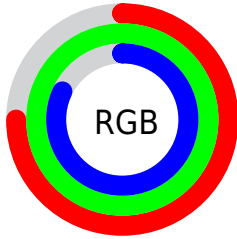
Format	Color
RYB	191, 241, 254
Decimal	12582608
CIELab	94.53, -28.55, 15.71
CIELCh	95, 32.589, 151.184
Yxy	86.5141, 0.3001, 0.3801
Android (android.graphics.Color)	4290772688 (0xFFBFFED0)
YUV	229.9190, -10.8061, -34.1320
Hunter-Lab	93.0130, -31.6744, 18.7209

Details

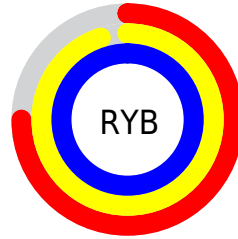
The XYZ color **68.3128, 86.5141, 72.7729** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.7929, 64.4488, 88.6222**, and the grayscale version is **75.2453, 79.1639, 86.2095**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.9523, 47.4998, 37.8453** is the 20% darker color. If you saturate the color by 10%, you get **60.3207, 82.6449, 61.1765**, and if you desaturate by 10%, it is **77.6842, 91.0684, 85.8304**.

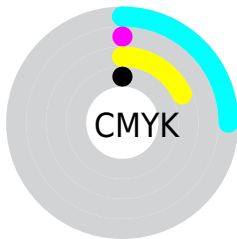
Distribution



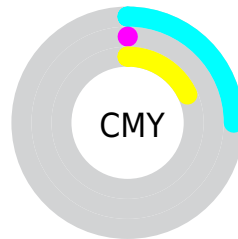
- Red (75%)
- Green (100%)
- Blue (82%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3128, 86.5141, 72.7729 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 68.3128, 86.5141, 72.7729 by changing the saturation by 10% instead.


 68.3128, 86.5141,
72.7729

 68.3128, 86.5141,
72.7729

443.9629,
516.6249, 489.2770

 50.4269, 65.0932,
53.2996


 115.8390,
142.4867, 124.8727

 35.9719, 47.5366,
37.6526


146.2099,
177.8071, 158.3362

 24.5825, 33.4601,
25.4135

181.4732,
218.5295, 197.3003

 15.8933, 22.4791,
16.1635

221.9943,
265.0383, 242.1834

 9.5391, 14.2094,
9.4843

268.1384,
317.7178, 293.4041

 5.1543, 8.2664,
4.9573

320.2710,

 2.3738, 4.2659,

376.9525, 351.3809

2.1639

378.7573,
443.1267, 416.5323

■ 0.8320, 1.8234,
0.6534

■ 0.0000, 0.5017,
0.0000

■ 68.3128, 86.5141,
72.7729

■ 68.3128, 86.5141,
72.7729

■ 60.3207, 82.6449,
61.1765

■ 77.6842, 91.0684,
85.8304

■ 53.6345, 79.4167,
50.9847

■ 88.4897, 96.3277,
100.3916

■ 48.1847, 76.7972,
42.1453

94.7335, 99.3670,
108.7945

■ 43.8920, 74.7468,
34.6011

■ 40.6678, 73.2210,
28.2906

■ 38.4098, 72.1684,
23.1470

■ 36.9939, 71.5267,
19.0971

■ 36.5034, 71.3110,
17.3960

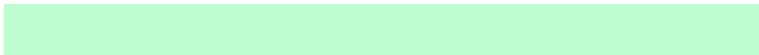
Harmonies

Analogous

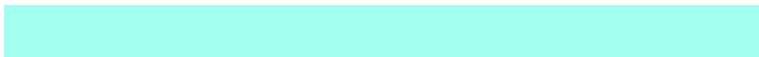
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7977, 86.5141, 58.6089



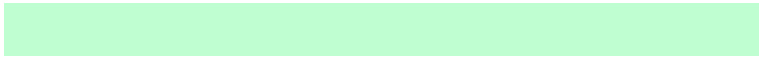
68.3128, 86.5141, 72.7729



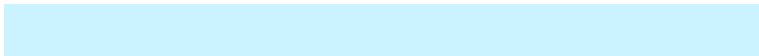
66.4859, 86.5141, 95.2010

Triad

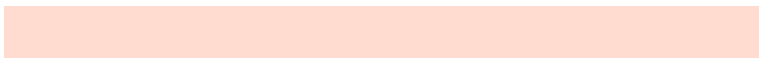
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3128, 86.5141, 72.7729



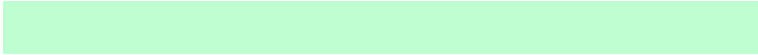
82.5781, 86.5141, 151.2467



97.5264, 86.5141, 71.3268

Complementary

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



68.3128, 86.5141, 72.7729



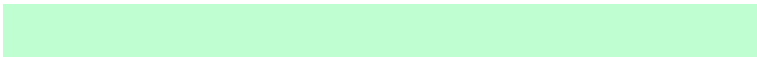
74.7929, 64.4488, 88.6222

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.



100.2797, 86.5141, 93.2044



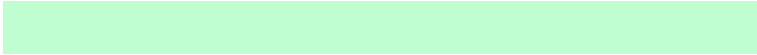
68.3128, 86.5141, 72.7729



91.2793, 86.5141, 141.8865

Square

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



68.3128, 86.5141, 72.7729



74.3609, 86.5141, 143.2023



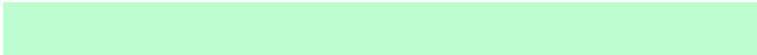
97.9175, 86.5141, 119.4654



90.6336, 86.5141, 57.8844

Rectangle

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



68.3128, 86.5141, 72.7729



67.4773, 86.5141, 112.7637



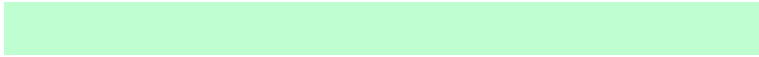
97.9175, 86.5141, 119.4654



98.9879, 86.5141, 77.7929

Sweetspot

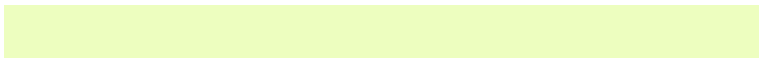
The Sweet Spot groups the original color and five complimentary colors.



68.3151, 86.5177, 72.7748



86.7571, 95.9592, 97.9274



79.8409, 92.6884, 62.9736



18.4239, 20.4683, 20.7657



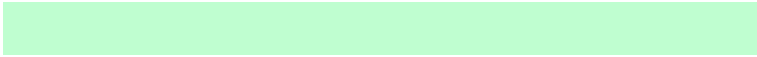
0.0000, 0.0000, 0.0000



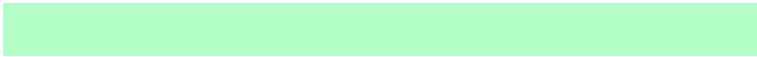
20.3446, 21.4041, 23.3091

Same Dimension

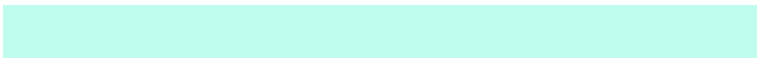
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3151, 86.5177, 72.7748



64.5604, 85.1744, 67.1571



72.5547, 88.2136, 95.1002



17.9729, 20.2487, 20.1600



19.2964, 37.6151, 9.4459



1.9221, 3.6798, 1.1476

Inverse Universe

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



74.7929, 64.4488, 88.6222



72.1628, 59.2612, 85.7468



70.6106, 62.7758, 66.5985



18.5712, 18.2118, 21.6250



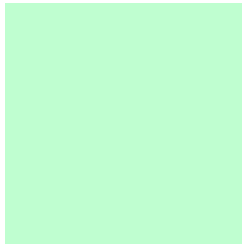
26.2562, 12.9918, 25.7974



2.6021, 1.2832, 2.7523

Previews

White Background



This preview shows how the XYZ color 68.3128, 86.5141, 72.7729 looks on a white background.

Color Contrast Check

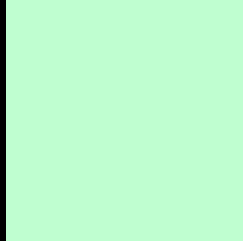
Large Text (above 18pt) WCAG AA × Fail

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 68.3128, 86.5141, 72.7729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

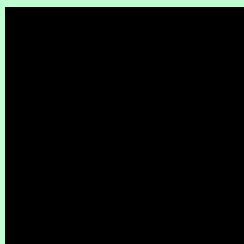
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3128, 86.5141, 72.7729

Background



This preview shows how black text looks on a background with the XYZ color 68.3128, 86.5141, 72.7729.



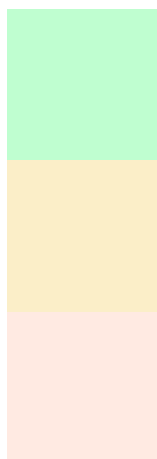
This preview shows how white text looks on a background with the XYZ color 68.3128, 86.5141,

72.7729.

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

68.3128, 86.5141, 72.7729

Protanopia

80.7835, 85.8284, 66.9524

Deuteranopia

84.3903, 85.5966, 84.0255



Tritanopia

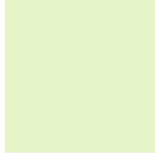
79.0140, 86.2266, 107.0867

Trichromacy



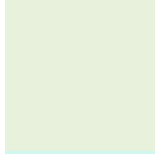
Original Color

68.3128, 86.5141, 72.7729



Protanomaly

75.4433, 85.6712, 69.0598



Deuteranomaly

77.5202, 85.1809, 79.3736



Tritanomaly

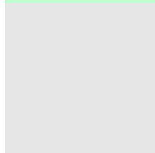
74.7058, 86.1045, 93.5713

Monochromacy



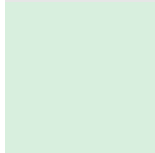
Original Color

68.3128, 86.5141, 72.7729



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.3702, 81.6059, 81.0444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3128, 86.5141, 72.7729 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(191, 254, 208)` looks like.

```
.text, #text, p{  
    color:rgb(191, 254, 208)  
}
```

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(191, 254, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 254, 208) }
```

Border

The CSS property to change the border of an element to XYZ 68.3128, 86.5141, 72.7729 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(191, 254, 208) }
```


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

```
.border{ border-color:rgb(191, 254, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 254, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 254, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 254, 208);  
box-shadow:4px 4px 4px 4px rgb(191, 254,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3128, 86.5141, 72.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 254, 208) }
```

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

```
.background{ background-color: rgb(191,  
254, 208) }
```

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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