

Converting Colors

XYZ(69.2368, 87.6183, 77.4280)

Have a look what the booklet for
XYZ(69.2368, 87.6183, 77.4280)
contains.

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Color

**XYZ(69.0120, 87.2451,
77.4927)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFFD7
RGB	189, 255, 215
RGB Percent	74%, 100%, 84%
CMY	0.2588, 0.0000, 0.1569
CMYK	0.26, 0.00, 0.16, 0.00
HSL	144°, 100%, 87%
HSV	144°, 26%, 100%
XYZ	69.0120, 87.2451, 77.4927
YIQ	230.7060, -26.4960, -26.4320

Conversions

Conversions Part 2

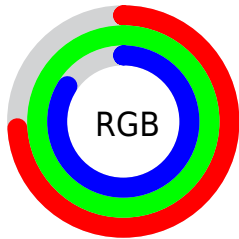
Format	Color
R _{YB}	189, 236, 255
Decimal	12451799
CIE Lab	94.84, -28.37, 12.54
CIE LCh	95, 31.018, 156.150
Yxy	87.2451, 0.2952, 0.3732
Android (android.graphics.Color)	4290641879 (0xFFBDDFFD7)
YUV	230.7060, -7.7431, -36.5762
Hunter-Lab	93.4051, -31.5748, 16.1941

Details

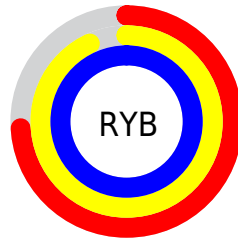
The XYZ color **69.0120, 87.2451, 77.4927** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5808, 63.3131, 82.4711**, and the grayscale version is **75.8066, 79.7544, 86.8526**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **36.3708, 47.9946, 40.6046** is the 20% darker color. If you saturate the color by 10%, you get **61.3398, 83.5086, 67.2528**, and if you desaturate by 10%, it is **77.9854, 91.6306, 88.7755**.

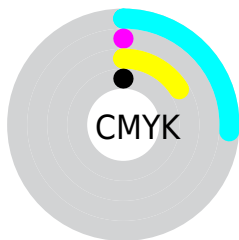
Distribution



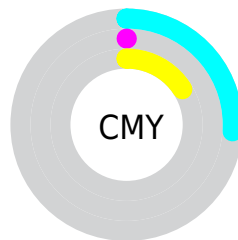
- Red (74%)
- Green (100%)
- Blue (84%)



- Red (74%)
- Yellow (93%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0120, 87.2451, 77.4927 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 69.0120, 87.2451, 77.4927 by changing the saturation by 10% instead.

69.0120, 87.2451,
77.4927

69.0120, 87.2451,
77.4927

446.3940,
519.0279, 505.9245

50.9982, 65.6981,
57.1434

116.8327,
143.5057, 131.6141

36.4282, 48.0273,
40.7102

147.3702,
178.9881, 166.2232

24.9367, 33.8485,
27.7747

182.8131,
219.8843, 206.4227

16.1584, 22.7773,
17.9184

223.5266,
266.5789, 252.6311

9.7279, 14.4291,
10.7226

269.8761,
319.4561, 305.2670

5.2798, 8.4197,
5.7688

322.2269,

2.4488, 4.3647,

378.9005, 364.7488

2.6385

380.9444,
445.2963, 431.4951

■ 0.8695, 1.8796,
0.9122

■ 0.0000, 0.5361,
0.0000

■ 69.0120, 87.2451,
77.4927

■ 69.0120, 87.2451,
77.4927

■ 61.3398, 83.5086,
67.2528

■ 77.9854, 91.6306,
88.7755

■ 54.9031, 80.3881,
58.0217

■ 88.3166, 96.6939,
101.1257

■ 49.6338, 77.8488,
49.7693

95.0500, 100.0000,
108.9000

■ 45.4558, 75.8524,
42.4626

■ 42.2835, 74.3553,
36.0663

■ 40.0177, 73.3071,
30.5430

■ 38.5360, 72.6456,
25.8521

■ 38.0825, 72.4490,
24.1501

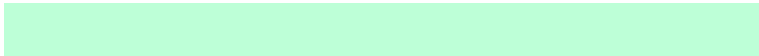
Harmonies

Analogous

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



73.7568, 87.2451, 62.3266



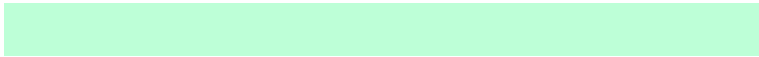
69.0120, 87.2451, 77.4927



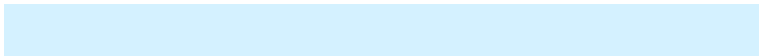
67.8802, 87.2451, 100.0369

Triad

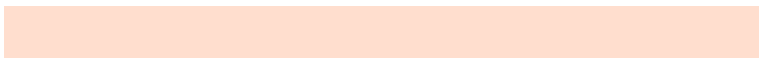
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.0120, 87.2451, 77.4927



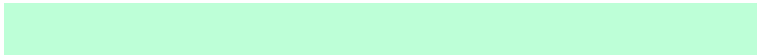
84.6661, 87.2451, 148.8040



96.6609, 87.2451, 70.2386

Complementary

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



69.0120, 87.2451, 77.4927



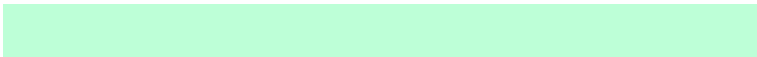
73.5808, 63.3131, 82.4711

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.



100.0405, 87.2451, 90.1256



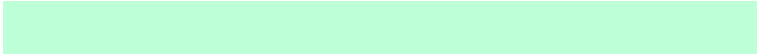
69.0120, 87.2451, 77.4927



92.8207, 87.2451, 137.4535

Square

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



69.0120, 87.2451, 77.4927



76.5632, 87.2451, 143.8905



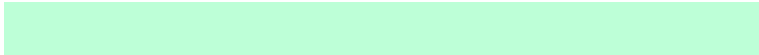
98.5899, 87.2451, 114.9523



89.6273, 87.2451, 58.6595

Rectangle

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



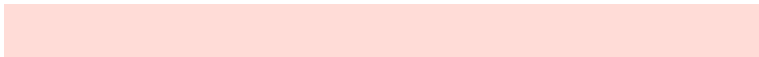
69.0120, 87.2451, 77.4927



69.2546, 87.2451, 116.8733



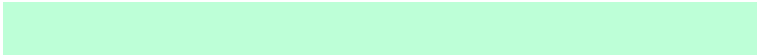
98.5899, 87.2451, 114.9523



98.2828, 87.2451, 76.0332

Sweetspot

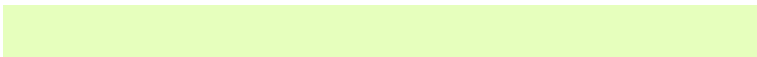
The Sweet Spot groups the original color and five complimentary colors.



69.0127, 87.2455, 77.4941



86.0119, 95.5633, 98.4189



77.4827, 91.9677, 61.8130



18.0679, 20.2867, 20.6606



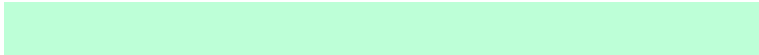
0.0000, 0.0000, 0.0000



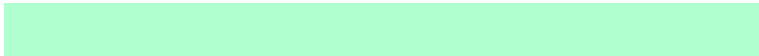
20.3446, 21.4041, 23.3091

Same Dimension

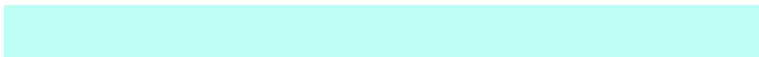
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0127, 87.2455, 77.4941



64.9269, 85.2538, 72.1241



73.5816, 89.0730, 101.5534



18.0679, 20.2867, 20.6606



19.9672, 37.8835, 12.9783



1.9960, 3.7093, 1.5370

Inverse Universe

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



73.5808, 63.3131, 82.4711



70.1908, 57.6652, 77.8511



69.4819, 61.6736, 60.8864



18.4718, 18.1720, 21.1017



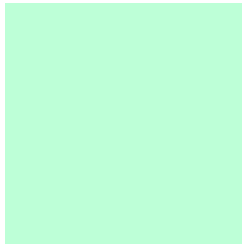
24.6957, 12.3676, 17.5800



2.4583, 1.2257, 1.9949

Previews

White Background



This preview shows how the XYZ color 69.0120, 87.2451, 77.4927 looks on a white background.

Color Contrast Check

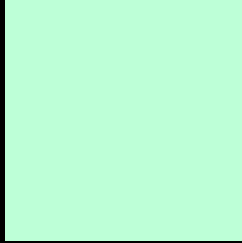
Large Text (above 18pt) WCAG AA × Fail

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 69.0120, 87.2451, 77.4927 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

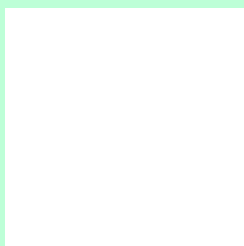
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0120, 87.2451, 77.4927

Background



This preview shows how black text looks on a background with the XYZ color 69.0120, 87.2451, 77.4927.



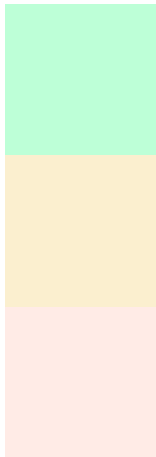
This preview shows how white text looks on a background with the XYZ color 69.0120, 87.2451,

77.4927.

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

69.0120, 87.2451, 77.4927

Protanopia

81.9126, 86.7472, 71.4581

Deuteranopia

85.2313, 86.3898, 87.0456



Tritanopia

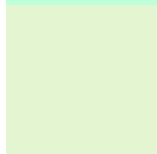
79.6141, 86.9814, 107.2007

Trichromacy



Original Color

69.0120, 87.2451, 77.4927



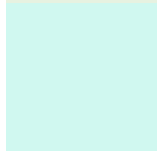
Protanomaly

76.2802, 86.4519, 73.6393



Deuteranomaly

78.2977, 85.9294, 83.6935



Tritanomaly

75.3080, 86.8360, 95.2299

Monochromacy



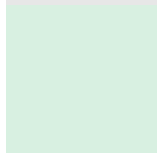
Original Color

69.0120, 87.2451, 77.4927



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0696, 82.3553, 83.2792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0120, 87.2451, 77.4927 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(189, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 215)  
}
```

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(189, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 69.0120, 87.2451, 77.4927 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(189, 255, 215) }
```


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

```
.border{ border-color:rgb(189, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0120, 87.2451, 77.4927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 215) }
```

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

```
.background{ background-color: rgb(189,  
255, 215) }
```

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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