

Converting Colors

XYZ(70.4854, 90.5711, 79.4583)

Have a look what the booklet for
XYZ(70.4854, 90.5711, 79.4583)
contains.

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Color

**XYZ(68.7779, 87.0945,
78.8316)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BBFFD9 |
| RGB | 187, 255, 217 |
| RGB Percent | 73%, 100%, 85% |
| CMY | 0.2667, 0.0000, 0.1490 |
| CMYK | 0.27, 0.00, 0.15, 0.00 |
| HSL | 146°, 100%, 87% |
| HSV | 146°, 27%, 100% |
| XYZ | 68.7779, 87.0945, 78.8316 |
| YIQ | 230.3360, -28.3300, -26.2340 |

Conversions

Conversions Part 2

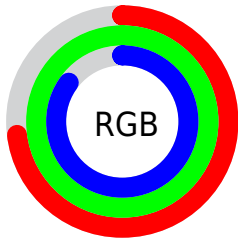
| Format | Color |
|-------------------------------------|---|
| RYB | 187, 234, 255 |
| Decimal | 12320729 |
| CIELab | 94.78, -28.60, 11.41 |
| CIELCh | 95, 30.794, 158.253 |
| Yxy | 87.0945, 0.2930, 0.3711 |
| Android (android.graphics.Color) | 4290510809 (0xFFBBFFD9) |
| YUV | 230.3360, -6.5746, -38.0057 |
| Hunter-Lab | 93.3244, -31.7675, 15.2446 |

Details

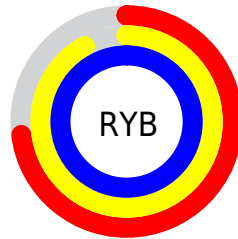
The XYZ color **68.7779, 87.0945, 78.8316** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.6014, 62.2378, 79.4208**, and the grayscale version is **75.5246, 79.4577, 86.5295**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **36.2314, 47.9023, 41.5189** is the 20% darker color. If you saturate the color by 10%, you get **61.3093, 83.4493, 69.2213**, and if you desaturate by 10%, it is **77.5158, 91.3756, 89.3396**.

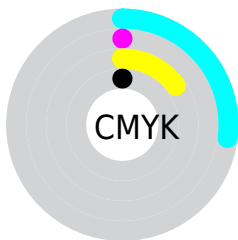
Distribution



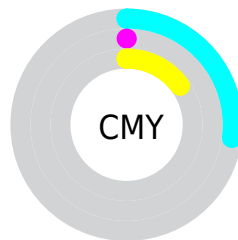
- Red (73%)
- Green (100%)
- Blue (85%)



- Red (73%)
- Yellow (92%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7779, 87.0945, 78.8316 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 68.7779, 87.0945, 78.8316 by changing the saturation by 10% instead.


 68.7779, 87.0945,
78.8316

 68.7779, 87.0945,
78.8316


445.5809,
518.5333, 510.5890

 50.8068, 65.5734,
58.2369

 116.5001,
143.2958, 133.5183

 36.2753, 47.9262,
41.5831


146.9819,
178.7449, 168.4473

 24.8180, 33.7684,
28.4519

182.3648,
219.6054, 208.9915

 16.0695, 22.7158,
18.4246

223.0139,
266.2617, 255.5694

 9.6645, 14.3838,
11.0827

269.2947,
319.0983, 308.5996

 5.2376, 8.3881,
6.0076

321.5726,

 2.4235, 4.3443,

378.4995, 368.5005

2.7808

380.2129,
444.8497, 435.6908

■ 0.8569, 1.8679,
0.9838

■ 0.0000, 0.5290,
0.0000

■ 68.7779, 87.0945,
78.8316

■ 68.7779, 87.0945,
78.8316

■ 61.3093, 83.4493,
69.2213

■ 77.5158, 91.3756,
89.3396

■ 55.0451, 80.4070,
60.4805

■ 87.5787, 96.3208,
100.7639

■ 49.9177, 77.9332,
52.5855

95.0500, 100.0000,
108.9000

■ 45.8520, 75.9896,
45.5100

■ 42.7627, 74.5329,
39.2262

■ 40.5507, 73.5125,
33.7043

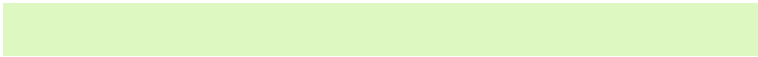
■ 39.0923, 72.8652,
28.9121

■ 38.7127, 72.7011,
27.4689

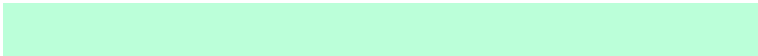
Harmonies

Analogous

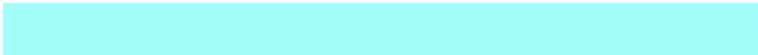
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2553, 87.0945, 63.1794



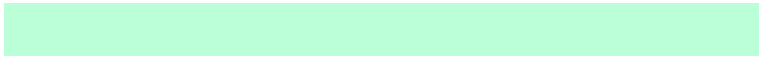
68.7779, 87.0945, 78.8316



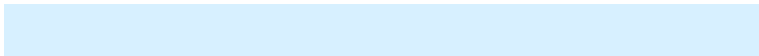
67.9207, 87.0945, 101.5691

Triad

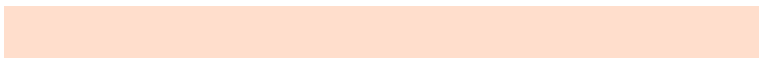
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7779, 87.0945, 78.8316



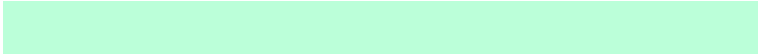
85.1011, 87.0945, 147.8527



96.0055, 87.0945, 69.1727

Complementary

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



68.7779, 87.0945, 78.8316



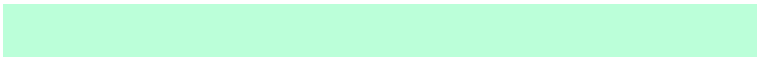
72.6014, 62.2378, 79.4208

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.



99.6639, 87.0945, 88.3979



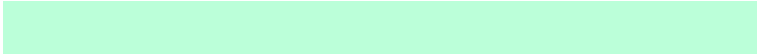
68.7779, 87.0945, 78.8316



93.0980, 87.0945, 135.6037

Square

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



68.7779, 87.0945, 78.8316



76.9874, 87.0945, 144.1338



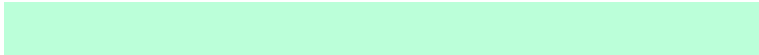
98.5657, 87.0945, 112.8610



88.8576, 87.0945, 58.2887

Rectangle

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



68.7779, 87.0945, 78.8316



69.4591, 87.0945, 118.2432



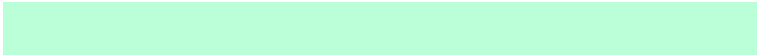
98.5657, 87.0945, 112.8610



97.7052, 87.0945, 74.7333

Sweetspot

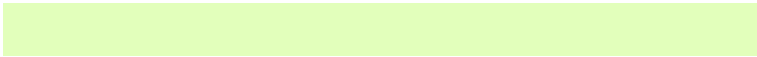
The Sweet Spot groups the original color and five complimentary colors.



68.7787, 87.0949, 78.8330



86.1575, 95.6216, 99.1859



75.9480, 91.2015, 60.6157



18.1045, 20.3013, 20.8532



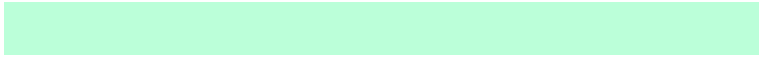
0.0000, 0.0000, 0.0000



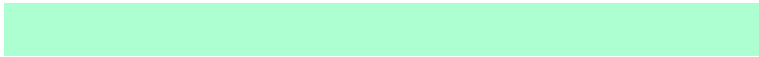
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7787, 87.0949, 78.8330



64.6405, 85.0732, 73.5961



73.5827, 89.0165, 104.1304



18.1045, 20.3013, 20.8532



20.3004, 38.0168, 14.7332



2.0304, 3.7231, 1.7181

Inverse Universe

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



72.6014, 62.2378, 79.4208



69.0464, 56.4152, 74.2672



68.4738, 60.5868, 57.6851



18.4344, 18.1571, 20.9048



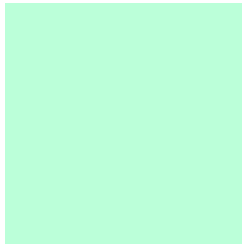
24.1959, 12.1677, 14.9481



2.4109, 1.2067, 1.7450

Previews

White Background



This preview shows how the XYZ color 68.7779, 87.0945, 78.8316 looks on a white background.

Color Contrast Check

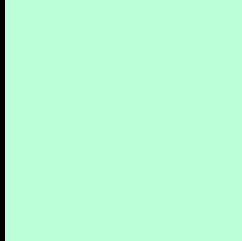
Large Text (above 18pt) WCAG AA × Fail

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 68.7779, 87.0945, 78.8316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

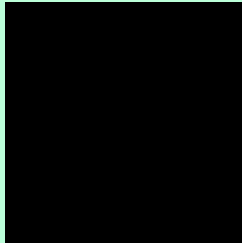
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

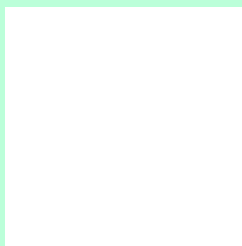
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7779, 87.0945, 78.8316

Background



This preview shows how black text looks on a background with the XYZ color 68.7779, 87.0945, 78.8316.



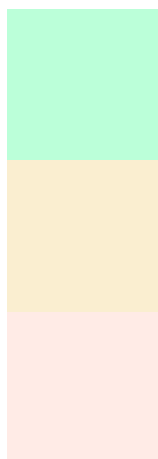
This preview shows how white text looks on a background with the XYZ color 68.7779, 87.0945,

78.8316.

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

68.7779, 87.0945, 78.8316

Protanopia

81.3840, 86.0271, 71.9900

Deuteranopia

85.2313, 86.3898, 87.0456



Tritanopia

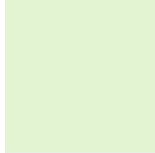
79.3141, 86.8268, 107.1867

Trichromacy



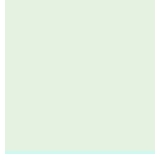
Original Color

68.7779, 87.0945, 78.8316



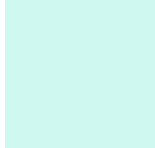
Protanomaly

75.7871, 85.7354, 74.1822



Deuteranomaly

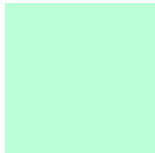
77.9759, 85.7635, 83.6784



Tritanomaly

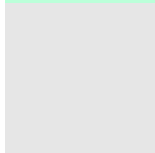
75.1767, 86.7511, 96.0015

Monochromacy



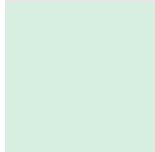
Original Color

68.7779, 87.0945, 78.8316



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1887, 81.4654, 83.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7779, 87.0945, 78.8316 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(187, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 217)  
}
```

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(187, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 68.7779, 87.0945, 78.8316 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(187, 255, 217) }
```


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

```
.border{ border-color:rgb(187, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(187, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7779, 87.0945, 78.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 217) }
```

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

```
.background{ background-color: rgb(187,  
255, 217) }
```

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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