

Converting Colors

XYZ(75.5673, 100.0000,
84.3443)

Have a look what the booklet for
XYZ(75.5673, 100.0000, 84.3443)
contains.

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Color

**XYZ(69.1945, 87.2330,
82.2980)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFDE
RGB	186, 255, 222
RGB Percent	73%, 100%, 87%
CMY	0.2706, 0.0000, 0.1294
CMYK	0.27, 0.00, 0.13, 0.00
HSL	151°, 100%, 86%
HSV	151°, 27%, 100%
XYZ	69.1945, 87.2330, 82.2980
YIQ	230.6070, -30.5310, -24.8910

Conversions

Conversions Part 2

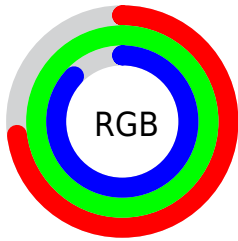
Format	Color
RYB	186, 231, 255
Decimal	12255198
CIELab	94.84, -27.95, 8.92
CIELCh	95, 29.339, 162.308
Yxy	87.2330, 0.2898, 0.3654
Android (android.graphics.Color)	4290445278 (0xFFBAFFDE)
YUV	230.6070, -4.2433, -39.1203
Hunter-Lab	93.3986, -31.2056, 13.1358

Details

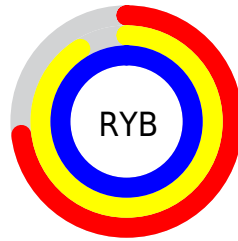
The XYZ color **69.1945, 87.2330, 82.2980** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.5856, 61.4932, 75.1143**, and the grayscale version is **75.7101, 79.6529, 86.7420**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **36.5292, 48.0035, 43.8995** is the 20% darker color. If you saturate the color by 10%, you get **61.9666, 83.6890, 73.7342**, and if you desaturate by 10%, it is **77.6477, 91.3950, 91.5391**.

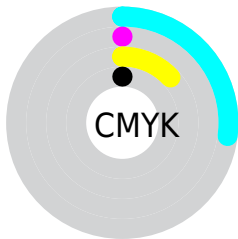
Distribution



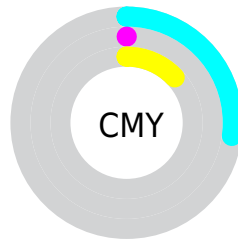
- Red (73%)
- Green (100%)
- Blue (87%)



- Red (73%)
- Yellow (91%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.1945, 87.2330, 82.2980 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 69.1945, 87.2330, 82.2980 by changing the saturation by 10% instead.


 69.1945, 87.2330,
82.2980

 69.1945, 87.2330,
82.2980


447.0273,
518.9882, 522.5535

 51.1473, 65.6880,
61.0740


 117.0919,
143.4889, 138.4322

 36.5474, 48.0192,
43.8539


147.6728,
178.9685, 174.1795

 25.0293, 33.8421,
30.2193

183.1624,
219.8619, 215.6050

 16.2278, 22.7723,
19.7517

223.9260,
266.5534, 263.1271

 9.7773, 14.4255,
12.0324

270.3289,
319.4274, 317.1645

 5.3127, 8.4172,
6.6429

322.7365,

 2.4685, 4.3630,

378.8683, 378.1357

3.1648

381.5142,
445.2604, 446.4592

■ 0.8794, 1.8786,
1.1794

■ 0.0000, 0.5355,
0.0000

■ 69.1945, 87.2330,
82.2980

■ 69.1945, 87.2330,
82.2980

■ 61.9666, 83.6890,
73.7342

■ 77.6477, 91.3950,
91.5391

■ 55.9003, 80.7304,
65.8277

■ 87.3807, 96.2029,
101.4686

■ 50.9296, 78.3235,
58.5633

■ 95.0500, 100.0000,
108.9000

■ 46.9806, 76.4306,
51.9238

■ 43.9695, 75.0088,
45.8908

■ 41.7985, 74.0079,
40.4448

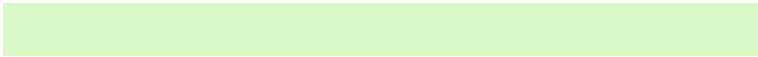
■ 40.3431, 73.3641,
35.5643

■ 39.9969, 73.2148,
34.2312

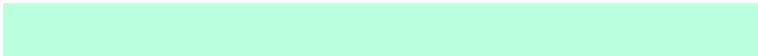
Harmonies

Analogous

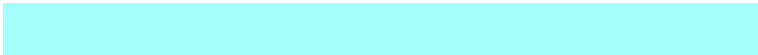
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0496, 87.2330, 66.1638



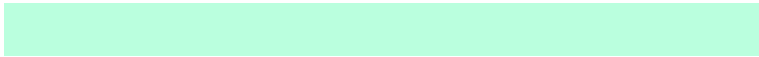
69.1945, 87.2330, 82.2980



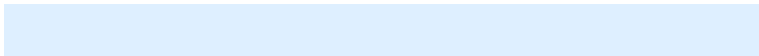
68.8659, 87.2330, 104.6159

Triad

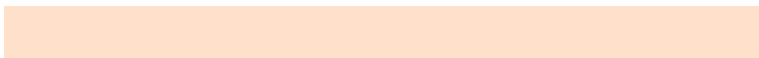
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.1945, 87.2330, 82.2980



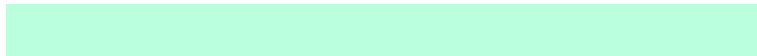
86.2113, 87.2330, 144.4548



94.7296, 87.2330, 68.4734

Complementary

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



69.1945, 87.2330, 82.2980



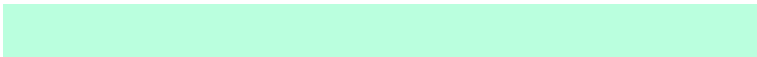
71.5856, 61.4932, 75.1143

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.



98.7497, 87.2330, 85.9583



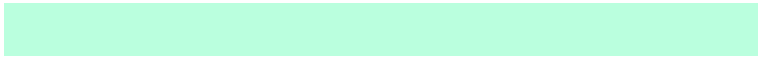
69.1945, 87.2330, 82.2980



93.6252, 87.2330, 131.1464

Square

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



69.1945, 87.2330, 82.2980



78.3564, 87.2330, 143.0529



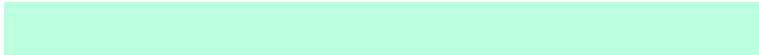
98.3330, 87.2330, 108.9064



87.6416, 87.2330, 59.1030

Rectangle

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



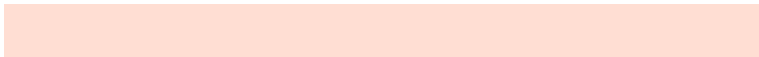
69.1945, 87.2330, 82.2980



70.6605, 87.2330, 120.3344



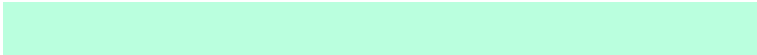
98.3330, 87.2330, 108.9064



96.5043, 87.2330, 73.4666

Sweetspot

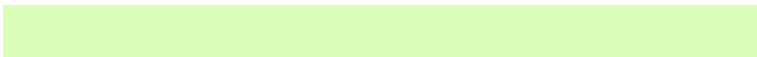
The Sweet Spot groups the original color and five complimentary colors.



69.1953, 87.2334, 82.2994



86.4077, 95.7216, 100.5034



73.9423, 90.1798, 59.9648



18.1674, 20.3265, 21.1847



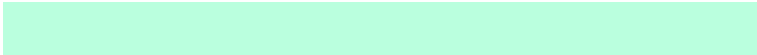
0.0000, 0.0000, 0.0000



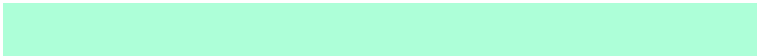
20.3446, 21.4041, 23.3091

Same Dimension

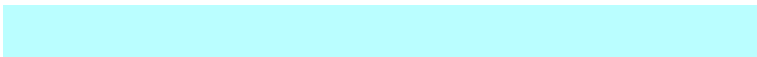
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1953, 87.2334, 82.2994



65.4736, 85.4065, 77.9832



73.6945, 88.4478, 107.7958



18.1674, 20.3265, 21.1847



20.9752, 38.2867, 18.2868



2.0975, 3.7499, 2.0714

Inverse Universe

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



71.5856, 61.4932, 75.1143



68.1977, 56.0757, 69.7980



67.9058, 60.4105, 54.5369



18.3712, 18.1318, 20.5717



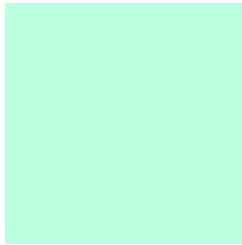
23.4572, 11.8722, 11.0582



2.3388, 1.1779, 1.3653

Previews

White Background



This preview shows how the XYZ color 69.1945, 87.2330, 82.2980 looks on a white background.

Color Contrast Check

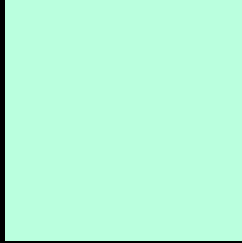
Large Text (above 18pt) WCAG AA × Fail

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 69.1945, 87.2330, 82.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

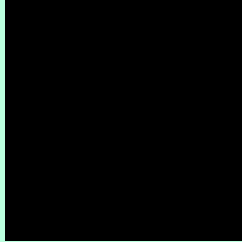
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.1945, 87.2330, 82.2980

Background



This preview shows how black text looks on a background with the XYZ color 69.1945, 87.2330, 82.2980.



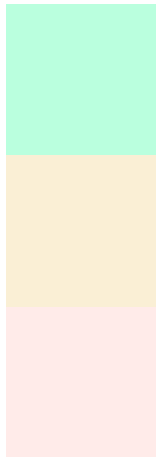
This preview shows how white text looks on a background with the XYZ color 69.1945, 87.2330,

82.2980.

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

69.1945, 87.2330, 82.2980

Protanopia

82.3011, 86.8611, 75.3789

Deuteranopia

85.6563, 86.5599, 89.2839



Tritanopia

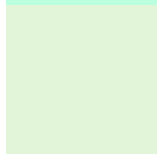
79.3141, 86.8268, 107.1867

Trichromacy



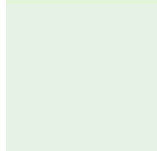
Original Color

69.1945, 87.2330, 82.2980



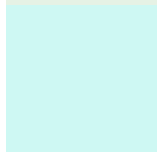
Protanomaly

76.7256, 86.5936, 77.6361



Deuteranomaly

78.5281, 85.9844, 86.5865



Tritanomaly

75.1987, 86.7277, 97.5707

Monochromacy



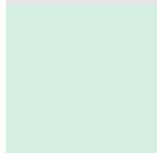
Original Color

69.1945, 87.2330, 82.2980



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1880, 82.3687, 85.4401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1945, 87.2330, 82.2980 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(186, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 222)  
}
```

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(186, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 69.1945, 87.2330, 82.2980 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(186, 255, 222) }
```


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

```
.border{ border-color:rgb(186, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 255, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 255, 222); box-shadow:4px 4px 4px 4px rgb(186, 255, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1945, 87.2330, 82.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 222) }
```

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

```
.background{ background-color: rgb(186,  
255, 222) }
```

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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