

Converting Colors

XYZ(64.2073, 82.8880, 69.7697)

Have a look what the booklet for
XYZ(64.2073, 82.8880, 69.7697)
contains.

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Color

**XYZ(64.2187, 83.0573,
69.7737)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B4FBCC |
| RGB | 180, 251, 204 |
| RGB Percent | 71%, 98%, 80% |
| CMY | 0.2941, 0.0157, 0.2000 |
| CMYK | 0.28, 0.00, 0.19, 0.02 |
| HSL | 140°, 90%, 85% |
| HSV | 140°, 28%, 98% |
| XYZ | 64.2187, 83.0573, 69.7737 |
| YIQ | 224.4130, -27.2290, -29.6690 |

Conversions

Conversions Part 2

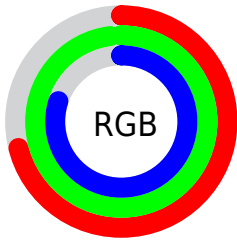
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 180, 233, 251 |
| Decimal | 11860940 |
| CIELab | 93.04, -31.25, 15.57 |
| CIELCh | 93, 34.918, 153.517 |
| Yxy | 83.0573, 0.2959, 0.3827 |
| Android (android.graphics.Color) | 4290051020 (0xFFB4FBCC) |
| YUV | 224.4130, -10.0636, -38.9502 |
| Hunter-Lab | 91.1358, -33.7078, 18.4025 |

Details

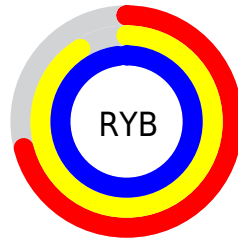
The XYZ color **64.2187, 83.0573, 69.7737** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.9730, 58.6998, 80.3189**, and the grayscale version is **71.2326, 74.9422, 81.6121**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.2543, 45.1456, 35.8154** is the 20% darker color. If you saturate the color by 10%, you get **57.0084, 79.5607, 59.5827**, and if you desaturate by 10%, it is **72.7042, 87.1913, 81.1379**.

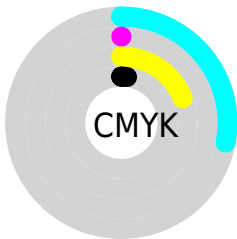
Distribution



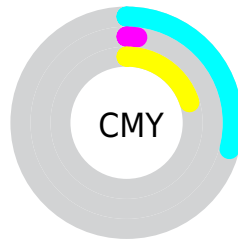
- Red (71%)
- Green (98%)
- Blue (80%)



- Red (71%)
- Yellow (91%)
- Blue (98%)



- Cyan (28%)
- Magenta (0%)
- Yellow (19%)
- Black (2%)





- Cyan (29%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2187, 83.0573, 69.7737 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 64.2187, 83.0573, 69.7737 by changing the saturation by 10% instead.


 64.2187, 83.0573,
69.7737

 64.2187, 83.0573,
69.7737


429.5687,
505.1775, 478.5227

 47.0902, 62.2374,
50.8664


 109.9978,
137.6557, 120.5641

 33.3152, 45.2246,
35.7263


139.3791,
172.2030, 153.2842

 22.5284, 31.6343,
23.9349


173.5754,
212.0950, 191.4457

 14.3644, 21.0824,
15.0736

212.9520,
257.7159, 235.4671

 8.4580, 13.1842,
8.7238

257.8742,
309.4502, 285.7670

 4.4436, 7.5555,
4.4671

308.7076,

 1.9560, 3.8119,

367.6823, 342.7639

1.8850

365.8172,
432.7966, 406.8762

■ 0.6091, 1.5689,
0.4831

■ 0.0000, 0.3365,
0.0000

■ 64.2187, 83.0573,
69.7737

■ 64.2187, 83.0573,
69.7737

■ 57.0084, 79.5607,
59.5827

■ 72.7042, 87.1913,
81.1379

■ 51.0029, 76.6591,
50.5216

■ 82.5174, 91.9822,
93.7057

■ 46.1349, 74.3209,
42.5527

■ 93.6042, 97.4037,
107.5079

■ 42.3273, 72.5072,
35.6339

■ 93.7887, 97.4775,
108.4796

■ 39.4934, 71.1742,
29.7203

■ 37.5310, 70.2702,
24.7635

■ 36.3011, 69.7247,
20.7100

■ 36.1322, 69.6509,
20.1013

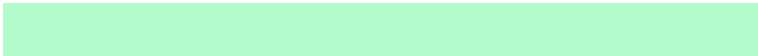
Harmonies

Analogous

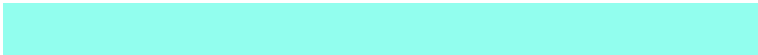
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6209, 83.0573, 54.5927



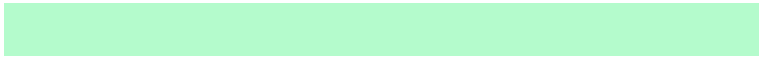
64.2187, 83.0573, 69.7737



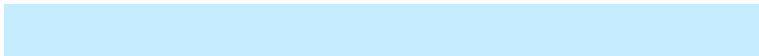
62.6515, 83.0573, 93.5615

Triad

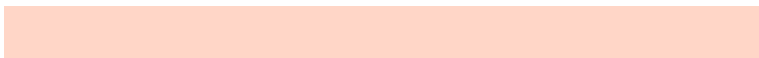
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2187, 83.0573, 69.7737



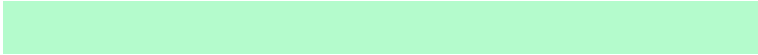
80.0277, 83.0573, 150.6322



94.5405, 83.0573, 65.3664

Complementary

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



64.2187, 83.0573, 69.7737



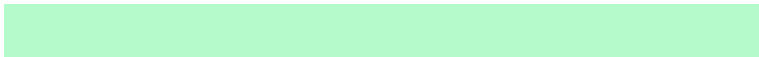
69.9730, 58.6998, 80.3189

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.



97.8400, 83.0573, 87.3795



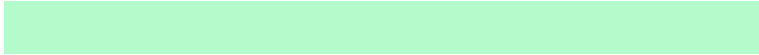
64.2187, 83.0573, 69.7737



89.0632, 83.0573, 139.2894

Square

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



64.2187, 83.0573, 69.7737



71.3542, 83.0573, 143.4525



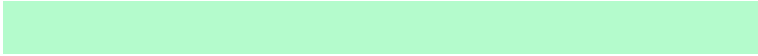
95.7628, 83.0573, 114.8193



87.0527, 83.0573, 52.4146

Rectangle

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



64.2187, 83.0573, 69.7737



63.8838, 83.0573, 112.0691



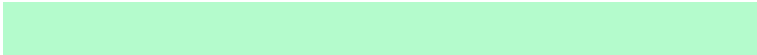
95.7628, 83.0573, 114.8193



96.2014, 83.0573, 71.7817

Sweetspot

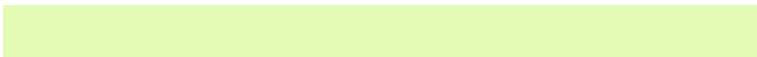
The Sweet Spot groups the original color and five complimentary colors.



64.2209, 83.0608, 69.7756



85.8403, 95.4947, 97.5157



74.5222, 88.6787, 56.3701



18.0249, 20.2695, 20.4339



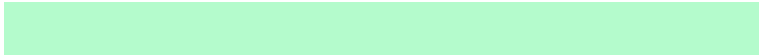
0.0000, 0.0000, 0.0000



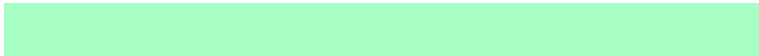
20.3446, 21.4041, 23.3091

Same Dimension

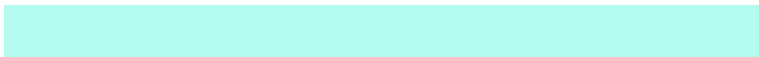
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2209, 83.0608, 69.7756



62.1200, 83.9368, 66.1154



68.9269, 84.9432, 94.5568



17.2594, 19.4060, 19.5667



19.0524, 36.6340, 10.8851



1.8119, 3.4119, 1.2574

Inverse Universe

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



69.9730, 58.6998, 80.3189



68.9836, 54.8504, 78.6830



65.6034, 56.9520, 57.3091



17.7291, 17.4190, 20.4291



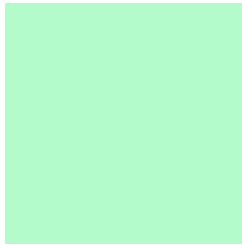
24.6083, 12.2590, 20.4434



2.3286, 1.1552, 2.1538

Previews

White Background



This preview shows how the XYZ color 64.2187, 83.0573, 69.7737 looks on a white background.

Color Contrast Check

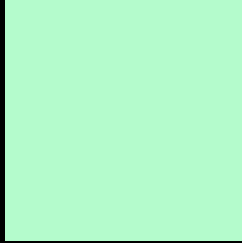
Large Text (above 18pt) WCAG AA × Fail

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 64.2187, 83.0573, 69.7737 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 64.2187, 83.0573, 69.7737

Background



This preview shows how black text looks on a background with the XYZ color 64.2187, 83.0573, 69.7737.



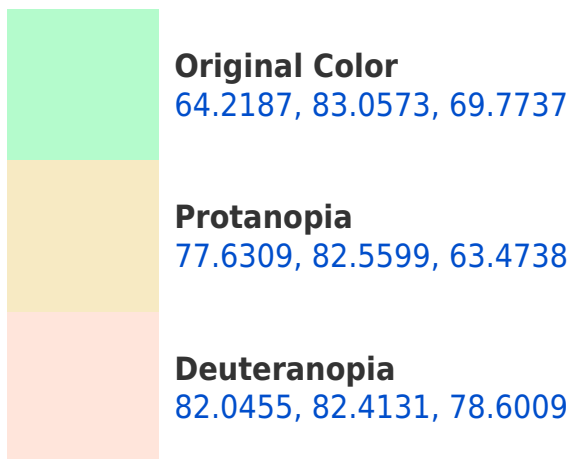
This preview shows how white text looks on a background with the XYZ color 64.2187, 83.0573,

69.7737.

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





Tritanopia

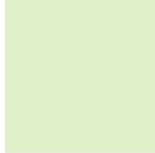
74.4071, 82.9680, 106.7005

Trichromacy



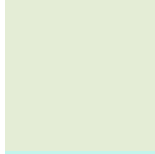
Original Color

64.2187, 83.0573, 69.7737



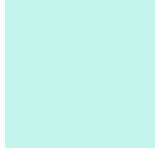
Protanomaly

71.7846, 82.0854, 65.4867



Deuteranomaly

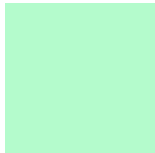
74.4167, 81.9174, 75.5078



Tritanomaly

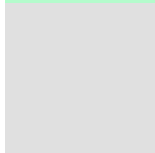
70.2984, 82.9630, 91.6652

Monochromacy



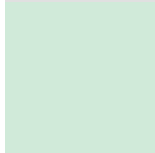
Original Color

64.2187, 83.0573, 69.7737



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.9596, 77.2653, 76.9775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2187, 83.0573, 69.7737 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(180, 251, 204)` looks like.

```
.text, #text, p{  
    color:rgb(180, 251, 204)  
}
```

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(180, 251, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 251, 204) }
```

Border

The CSS property to change the border of an element to XYZ 64.2187, 83.0573, 69.7737 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(180, 251, 204) }
```


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

```
.border{ border-color:rgb(180, 251, 204) }
```

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

Here you see how a box with a 4 pixel rgb(180, 251, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 251, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 251, 204);  
box-shadow:4px 4px 4px 4px rgb(180, 251,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2187, 83.0573, 69.7737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 251, 204) }
```

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

```
.background{ background-color: rgb(180,  
251, 204) }
```

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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