

Converting Colors

XYZ(64.7785, 81.7960, 77.3401)

Have a look what the booklet for
XYZ(64.7785, 81.7960, 77.3401)
contains.

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Color

**XYZ(64.7845, 81.7960,
77.3394)**

Conversions

Conversions Part 1

Format	Color
Hex	B4F8D8
RGB	180, 248, 216
RGB Percent	71%, 97%, 85%
CMY	0.2941, 0.0274, 0.1529
CMYK	0.27, 0.00, 0.13, 0.03
HSL	152°, 83%, 84%
HSV	152°, 27%, 97%
XYZ	64.7845, 81.7960, 77.3394
YIQ	224.0200, -30.2560, -24.3680

Conversions

Conversions Part 2

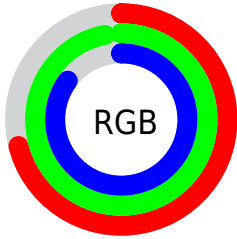
Format	Color
RYB	180, 224, 248
Decimal	11860184
CIELab	92.48, -27.58, 8.60
CIELCh	92, 28.886, 162.689
Yxy	81.7960, 0.2893, 0.3653
Android (android.graphics.Color)	4290050264 (0xFFB4F8D8)
YUV	224.0200, -3.9539, -38.6055
Hunter-Lab	90.4411, -30.4095, 12.6078

Details

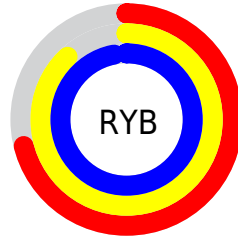
The XYZ color **64.7845, 81.7960, 77.3394** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9192, 57.3546, 69.8344**, and the grayscale version is **70.9106, 74.6034, 81.2431**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.5213, 44.1948, 40.4819** is the 20% darker color. If you saturate the color by 10%, you get **58.0640, 78.5019, 69.4268**, and if you desaturate by 10%, it is **72.6497, 85.6723, 85.8686**.

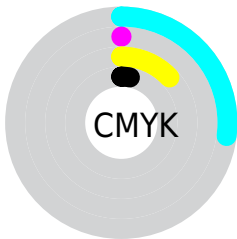
Distribution



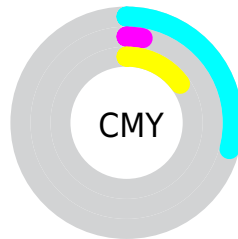
- Red (71%)
- Green (97%)
- Blue (85%)



- Red (71%)
- Yellow (88%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)



- Cyan (29%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7845, 81.7960, 77.3394 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 64.7845, 81.7960, 77.3394 by changing the saturation by 10% instead.

64.7845, 81.7960,
77.3394

64.7845, 81.7960,
77.3394

431.5746,
500.9651, 505.3888

47.5504, 61.1974,
57.0183

110.8074,
135.8879, 131.3959

33.6808, 44.3845,
40.6104

140.3269,
170.1500, 165.9682

22.8102, 30.9729,
27.6974

174.6723,
209.7353, 206.1281

14.5733, 20.5782,
17.8606

214.2089,
255.0283, 252.2940

8.6049, 12.8160,
10.6816

259.3021,
306.4134, 304.8845

4.5394, 7.3020,
5.7417

310.3172,

2.0116, 3.6517,

364.2750, 364.3181

2.6224

367.6196,
428.9974, 431.0134

0.6405, 1.4807,
0.9040

0.0000, 0.2751,
0.0000

64.7845, 81.7960,
77.3394

64.7845, 81.7960,
77.3394

58.0640, 78.5019,
69.4268

72.6497, 85.6723,
85.8686

52.4241, 75.7505,
62.1110

81.7059, 90.1477,
95.0226

47.8046, 73.5133,
55.3792

92.0051, 95.2510,
104.8164

44.1363, 71.7548,
49.2156

92.8589, 95.6178,
108.1696

■ 41.3408, 70.4350,
43.6039

■ 39.3262, 69.5067,
38.5265

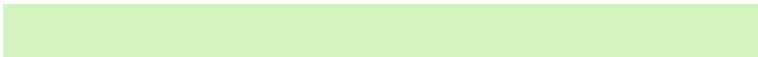
■ 37.9731, 68.9088,
33.9640

■ 37.6853, 68.7844,
32.8664

Harmonies

Analogous

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



68.3791, 81.7960, 62.0443



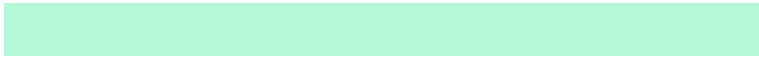
64.7845, 81.7960, 77.3394



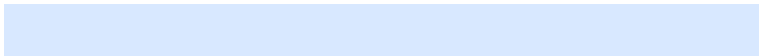
64.5186, 81.7960, 98.4370

Triad

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



64.7845, 81.7960, 77.3394



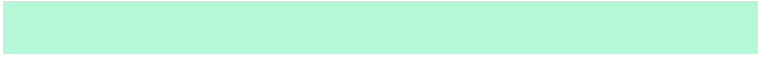
80.9527, 81.7960, 135.6875



88.8233, 81.7960, 63.9116

Complementary

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



64.7845, 81.7960, 77.3394



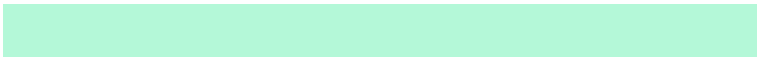
66.9192, 57.3546, 69.8344

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.



92.6649, 81.7960, 80.3018



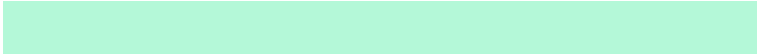
64.7845, 81.7960, 77.3394



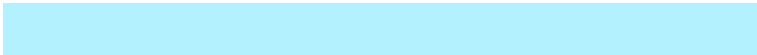
87.9285, 81.7960, 122.9657

Square

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



64.7845, 81.7960, 77.3394



73.5358, 81.7960, 134.5504



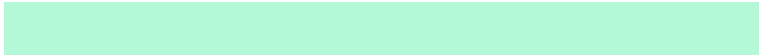
92.3273, 81.7960, 101.9129



82.1111, 81.7960, 55.1903

Rectangle

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



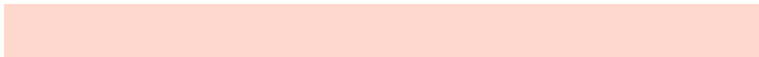
64.7845, 81.7960, 77.3394



66.2382, 81.7960, 113.2582



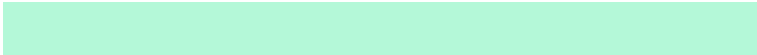
92.3273, 81.7960, 101.9129



90.5120, 81.7960, 68.5833

Sweetspot

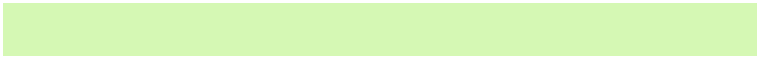
The Sweet Spot groups the original color and five complimentary colors.



64.7868, 81.7994, 77.3412



86.4315, 95.7312, 100.6288



69.2103, 84.5600, 55.8552



18.1734, 20.3289, 21.2163



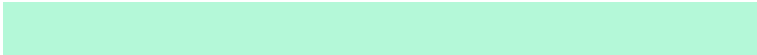
0.0000, 0.0000, 0.0000



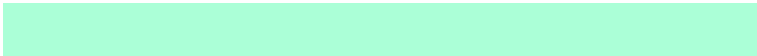
20.3446, 21.4041, 23.3091

Same Dimension

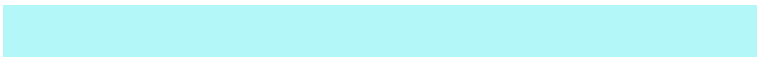
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.7868, 81.7994, 77.3412



64.8389, 85.0879, 77.5645



68.9885, 82.9242, 101.1808



17.4014, 19.4628, 20.3143



20.4283, 37.1843, 18.1305



1.9456, 3.4653, 1.9614

Inverse Universe

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



66.9192, 57.3546, 69.8344



67.4639, 55.0049, 68.3299



63.5031, 56.3557, 50.7120



17.5846, 17.3612, 19.6684



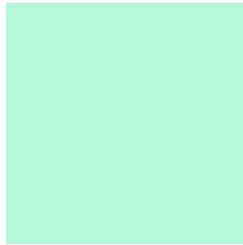
22.7069, 11.4985, 10.4310



2.1561, 1.0862, 1.2456

Previews

White Background



This preview shows how the XYZ color 64.7845, 81.7960, 77.3394 looks on a white background.

Color Contrast Check

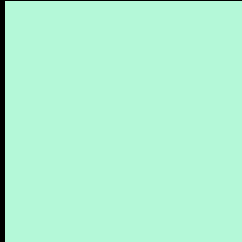
Large Text (above 18pt) WCAG AA × Fail

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 64.7845, 81.7960, 77.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

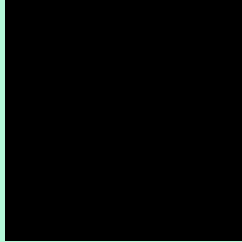
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

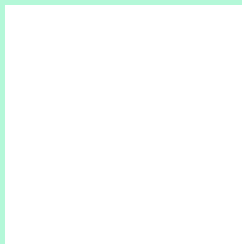
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7845, 81.7960, 77.3394

Background



This preview shows how black text looks on a background with the XYZ color 64.7845, 81.7960, 77.3394.



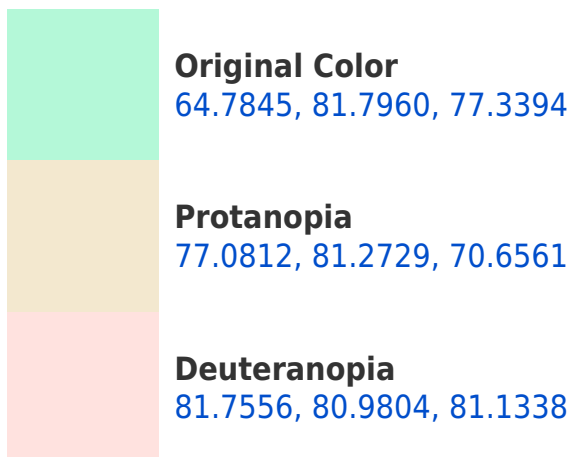
This preview shows how white text looks on a background with the XYZ color 64.7845, 81.7960,

77.3394.

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

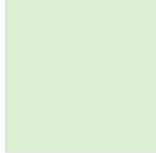
73.0295, 81.8195, 106.5514

Trichromacy



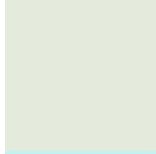
Original Color

64.7845, 81.7960, 77.3394



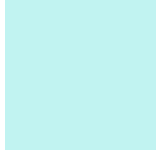
Protanomaly

71.7226, 81.0179, 72.8306



Deuteranomaly

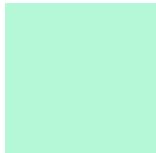
74.3360, 80.5069, 79.3316



Tritanomaly

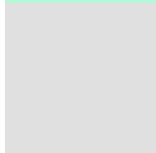
69.9201, 81.7895, 95.3209

Monochromacy



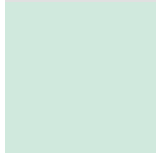
Original Color

64.7845, 81.7960, 77.3394



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.2025, 76.9082, 79.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7845, 81.7960, 77.3394 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, 248, 216)` looks like.

```
.text, #text, p{  
    color:rgb(180, 248, 216)  
}
```

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, 248, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 248, 216) }
```

Border

The CSS property to change the border of an element to XYZ 64.7845, 81.7960, 77.3394 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, 248, 216) }
```


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

```
.border{ border-color:rgb(180, 248, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 248, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 248, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 248, 216);  
box-shadow:4px 4px 4px 4px rgb(180, 248,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7845, 81.7960, 77.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 248, 216) }
```

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

```
.background{ background-color: rgb(180,  
248, 216) }
```

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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