

Converting Colors

XYZ(67.6563, 82.0935, 78.0108)

Have a look what the booklet for
XYZ(67.6563, 82.0935, 78.0108)
contains.

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Color

**XYZ(67.4249, 81.7839,
77.8778)**

Conversions

Conversions Part 1

Format	Color
Hex	C2F5D9
RGB	194, 245, 217
RGB Percent	76%, 96%, 85%
CMY	0.2392, 0.0392, 0.1490
CMYK	0.21, 0.00, 0.11, 0.04
HSL	147°, 72%, 86%
HSV	147°, 21%, 96%
XYZ	67.4249, 81.7839, 77.8778
YIQ	226.5590, -21.4080, -19.5200

Conversions

Conversions Part 2

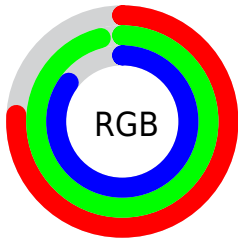
Format	Color
RYB	194, 229, 245
Decimal	12776921
CIELab	92.48, -21.66, 8.17
CIELCh	92, 23.147, 159.324
Yxy	81.7839, 0.2969, 0.3601
Android (android.graphics.Color)	4290967001 (0xFFC2F5D9)
YUV	226.5590, -4.7126, -28.5542
Hunter-Lab	90.4345, -25.1767, 12.2464

Details

The XYZ color **67.4249, 81.7839, 77.8778** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1356, 63.2720, 77.6270**, and the grayscale version is **72.7395, 76.5276, 83.3386**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **35.5344, 44.5793, 40.9142** is the 20% darker color. If you saturate the color by 10%, you get **59.9690, 78.1365, 68.7652**, and if you desaturate by 10%, it is **76.0646, 86.0296, 87.7938**.

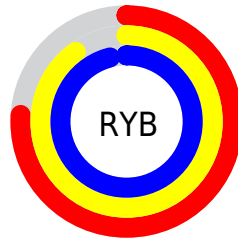
Distribution



Red (76%)

Green (96%)

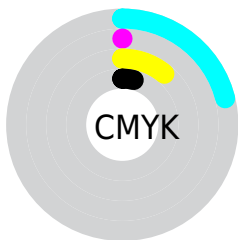
Blue (85%)



Red (76%)

Yellow (90%)

Blue (96%)

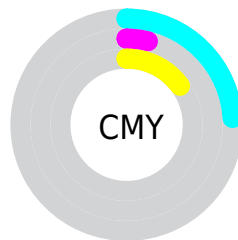


Cyan (21%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (24%)

Magenta (4%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4249, 81.7839, 77.8778 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 67.4249, 81.7839, 77.8778 by changing the saturation by 10% instead.

67.4249, 81.7839,
77.8778

67.4249, 81.7839,
77.8778

440.8644,
500.9246, 507.2686

49.7020, 61.1874,
57.4577

114.5755,
135.8709, 132.1621

35.3935, 44.3764,
40.9611

144.7338,
170.1302, 166.8635

24.1341, 30.9666,
27.9692

179.7681,
209.7126, 207.1624

15.5584, 20.5734,
18.0636

220.0435,
255.0025, 253.4774

9.3011, 12.8125,
10.8257

265.9255,
306.3842, 306.2269

4.9967, 7.2996,
5.8371

317.7794,

2.2801, 3.6502,

364.2422, 365.8296

2.6791

375.9706,
428.9609, 432.7040

■ 0.7844, 1.4799,
0.9329

■ 0.0000, 0.2745,
0.0000

■ 67.4249, 81.7839,
77.8778

■ 67.4249, 81.7839,
77.8778

■ 59.9690, 78.1365,
68.7652

■ 76.0646, 86.0296,
87.7938

■ 53.6361, 75.0497,
60.4304

■ 85.9319, 90.8890,
98.5272

■ 48.3698, 72.4971,
52.8542

■ 91.9440, 93.7879,
107.8647

■ 44.1061, 70.4460,
46.0143

■ 40.7735, 68.8602,
39.8877

■ 38.2908, 67.6980,
34.4497

■ 36.5609, 66.9102,
29.6738

■ 35.4949, 66.4443,
25.8451

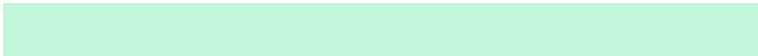
Harmonies

Analogous

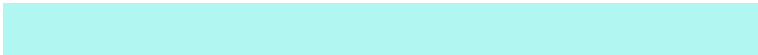
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6446, 81.7839, 65.8432



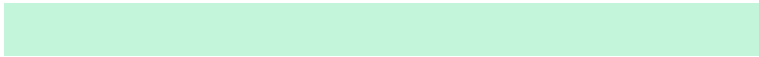
67.4249, 81.7839, 77.8778



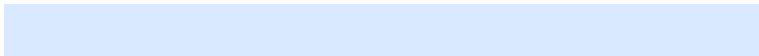
66.8888, 81.7839, 94.5135

Triad

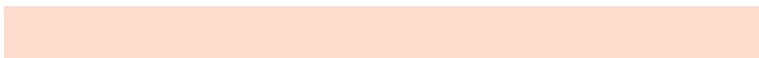
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.4249, 81.7839, 77.8778



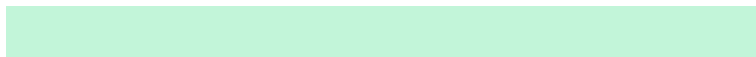
79.6186, 81.7839, 125.8205



87.0099, 81.7839, 69.6974

Complementary

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



67.4249, 81.7839, 77.8778



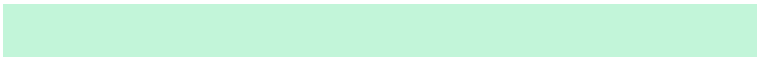
70.1356, 63.2720, 77.6270

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.



89.6905, 81.7839, 83.7988



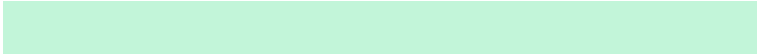
67.4249, 81.7839, 77.8778



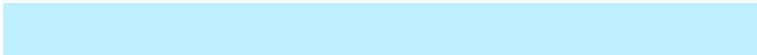
85.2807, 81.7839, 117.1514

Square

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



67.4249, 81.7839, 77.8778



73.7279, 81.7839, 123.7012



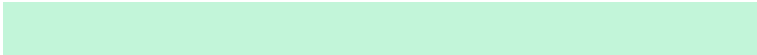
89.0419, 81.7839, 101.2399



81.8809, 81.7839, 61.5596

Rectangle

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



67.4249, 81.7839, 77.8778



68.0962, 81.7839, 106.2421



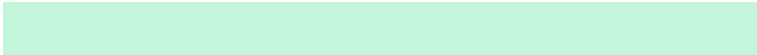
89.0419, 81.7839, 101.2399



88.2389, 81.7839, 73.8183

Sweetspot

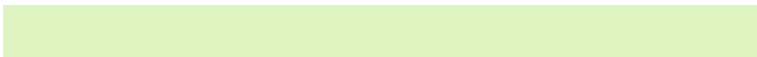
The Sweet Spot groups the original color and five complimentary colors.



67.4272, 81.7873, 77.8796



88.3202, 96.6835, 101.6789



72.5324, 84.7411, 63.5738



18.7538, 20.6202, 21.5995



0.0000, 0.0000, 0.0000



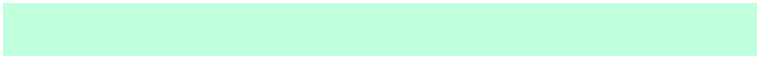
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4272, 81.7873, 77.8796



70.2268, 87.7960, 80.9539



70.9980, 83.2156, 96.6833



16.5929, 18.5963, 19.1404



19.1886, 35.8203, 14.2788



1.7375, 3.1687, 1.5238

Inverse Universe

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



70.1356, 63.2720, 77.6270



73.6874, 64.1356, 80.6285



66.9769, 62.0085, 60.9933



16.8799, 16.6348, 19.1139



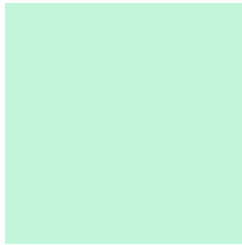
22.6946, 11.4213, 13.6322



2.0464, 1.0245, 1.4708

Previews

White Background



This preview shows how the XYZ color 67.4249, 81.7839, 77.8778 looks on a white background.

Color Contrast Check

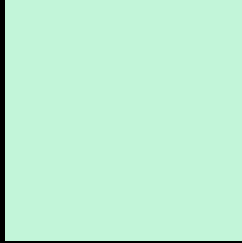
Large Text (above 18pt) WCAG AA × Fail

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 67.4249, 81.7839, 77.8778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

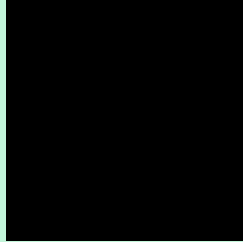
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

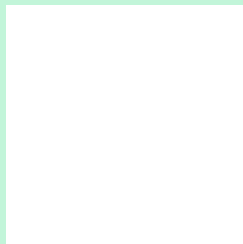
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4249, 81.7839, 77.8778

Background



This preview shows how black text looks on a background with the XYZ color 67.4249, 81.7839, 77.8778.



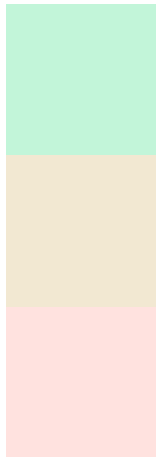
This preview shows how white text looks on a background with the XYZ color 67.4249, 81.7839,

77.8778.

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

67.4249, 81.7839, 77.8778

Protanopia

77.1074, 81.2436, 72.5904

Deuteranopia

81.7556, 80.9804, 81.1338



Tritanopia

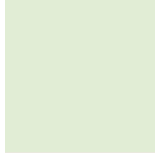
74.0781, 81.4909, 106.4327

Trichromacy



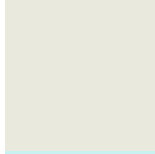
Original Color

67.4249, 81.7839, 77.8778



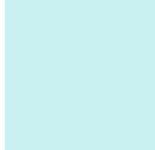
Protanomaly

73.3458, 81.3800, 74.7930



Deuteranomaly

75.7943, 80.8219, 80.0120



Tritanomaly

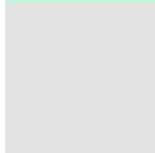
71.6896, 81.8180, 95.2331

Monochromacy



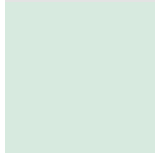
Original Color

67.4249, 81.7839, 77.8778



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.7664, 78.6204, 81.2575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4249, 81.7839, 77.8778 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(194, 245, 217)` looks like.

```
.text, #text, p{  
    color:rgb(194, 245, 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(194, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 245, 217) }
```

Border

The CSS property to change the border of an element to XYZ 67.4249, 81.7839, 77.8778 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(194, 245, 217) }
```


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

```
.border{ border-color:rgb(194, 245, 217) }
```

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

Here you see how a box with a 4 pixel rgb(194, 245, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(194, 245,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4249, 81.7839, 77.8778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 245, 217) }
```

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

```
.background{ background-color: rgb(194,  
245, 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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