

Converting Colors

XYZ(67.8199, 81.2022, 73.0245)

Have a look what the booklet for
XYZ(67.8199, 81.2022, 73.0245)
contains.

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Color

**XYZ(67.7708, 81.1718,
73.0686)**

Conversions

Conversions Part 1

Format	Color
Hex	C9F3D2
RGB	201, 243, 210
RGB Percent	79%, 95%, 82%
CMY	0.2118, 0.0470, 0.1765
CMYK	0.17, 0.00, 0.14, 0.05
HSL	133°, 64%, 87%
HSV	133°, 17%, 95%
XYZ	67.7708, 81.1718, 73.0686
YIQ	226.6800, -14.4390, -19.1670

Conversions

Conversions Part 2

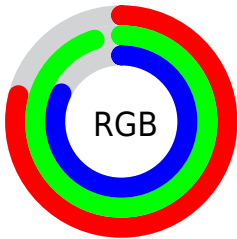
Format	Color
R _Y B	201, 236, 243
Decimal	13235154
CIE _{Lab}	92.21, -19.73, 11.47
CIE _{LCh}	92, 22.816, 149.833
Y _{xy}	81.1718, 0.3053, 0.3656
Android (android.graphics.Color)	4291425234 (0xFFC9F3D2)
YUV	226.6800, -8.2232, -22.5214
Hunter-Lab	90.0954, -23.3972, 14.9818

Details

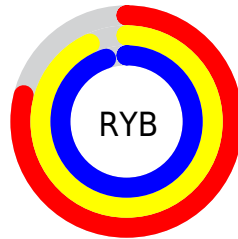
The XYZ color **67.7708, 81.1718, 73.0686** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.7029, 66.7703, 86.9015**, and the grayscale version is **72.8483, 76.6421, 83.4633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8037, 44.1440, 38.0861** is the 20% darker color. If you saturate the color by 10%, you get **59.5094, 77.1739, 60.9970**, and if you desaturate by 10%, it is **77.3539, 85.8229, 86.6871**.

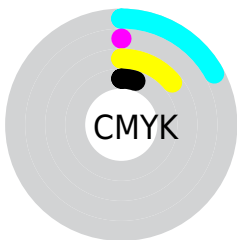
Distribution



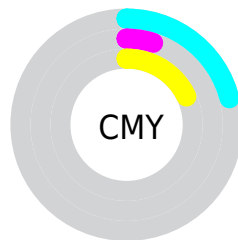
- Red (79%)
- Green (95%)
- Blue (82%)



- Red (79%)
- Yellow (93%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)



- Cyan (21%)
- Magenta (5%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7708, 81.1718, 73.0686 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 67.7708, 81.1718, 73.0686 by changing the saturation by 10% instead.

67.7708, 81.1718,
73.0686

67.7708, 81.1718,
73.0686

442.0730,
498.8732, 490.3297

49.9843, 60.6831,
53.5399

115.0679,
135.0120, 125.2964

35.6187, 43.9695,
37.8433

145.3092,
169.1322, 158.8326

24.3086, 30.6465,
25.5602

180.4328,
208.5651, 197.8750

15.6886, 20.3298,
16.2721

220.8041,
253.6951, 242.8422

9.3935, 12.6350,
9.5605

266.7884,
304.9065, 294.1528

5.0579, 7.1777,
5.0067

318.7511,

2.3164, 3.5735,

362.5837, 352.2252

2.1924

377.0575,
427.1111, 417.4780

■ 0.8030, 1.4380,
0.6700

■ 0.0000, 0.2444,
0.0000

■ 67.7708, 81.1718,
73.0686

■ 67.7708, 81.1718,
73.0686

■ 59.5094, 77.1739,
60.9970

■ 77.3539, 85.8229,
86.6871

■ 52.5047, 73.7898,
50.4122

■ 88.3068, 91.1440,
101.8989

■ 46.6961, 70.9920,
41.2583

■ 91.3421, 92.5843,
107.6640

■ 42.0150, 68.7462,
33.4735

■ 38.3860, 67.0151,
26.9917

■ 35.7243, 65.7564,
21.7413

■ 33.9308, 64.9207,
17.6437

■ 32.8796, 64.4448,
14.6104

■ 32.6736, 64.3529,
13.9565

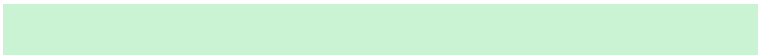
Harmonies

Analogous

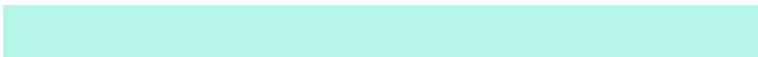
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6548, 81.1718, 63.1323



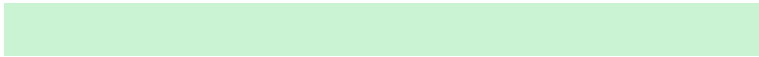
67.7708, 81.1718, 73.0686



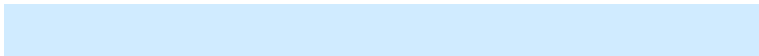
66.3741, 81.1718, 88.2879

Triad

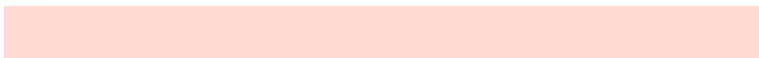
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7708, 81.1718, 73.0686



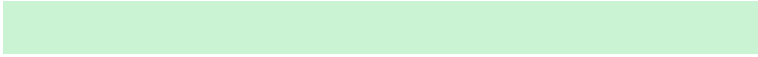
77.1184, 81.1718, 124.9349



87.3957, 81.1718, 73.2128

Complementary

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



67.7708, 81.1718, 73.0686



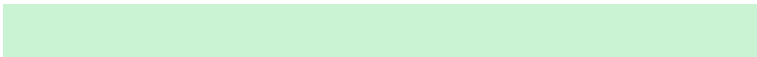
72.7029, 66.7703, 86.9015

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.



89.0363, 81.1718, 88.4768



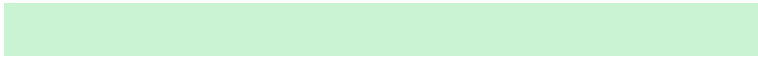
67.7708, 81.1718, 73.0686



82.9220, 81.1718, 119.6005

Square

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



67.7708, 81.1718, 73.0686



71.6005, 81.1718, 119.4850



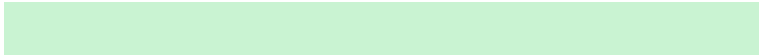
87.3599, 81.1718, 105.6987



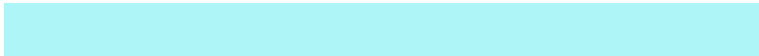
82.9820, 81.1718, 63.2078

Rectangle

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



67.7708, 81.1718, 73.0686



66.9834, 81.1718, 99.8465



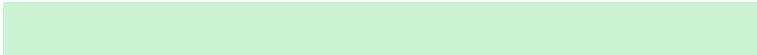
87.3599, 81.1718, 105.6987



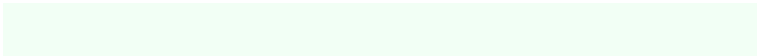
88.2995, 81.1718, 77.8310

Sweetspot

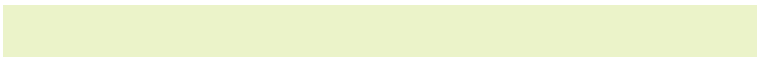
The Sweet Spot groups the original color and five complimentary colors.



67.7730, 81.1752, 73.0704



88.9425, 97.0330, 100.4133



76.7254, 85.9163, 67.7989



18.8603, 20.6831, 21.2450



0.0000, 0.0000, 0.0000



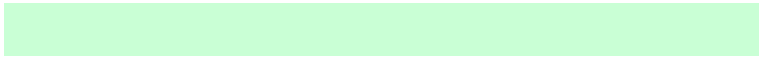
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7730, 81.1752, 73.0704



71.9692, 88.8002, 76.2476



70.4797, 82.2579, 87.3234



16.4275, 18.5301, 18.2696



17.9716, 35.3335, 7.8704



1.6159, 3.1200, 0.8834

Inverse Universe

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



72.7029, 66.7703, 86.9015



78.4888, 69.7463, 94.5362



69.9378, 65.6643, 72.3409



17.0527, 16.7039, 20.0239



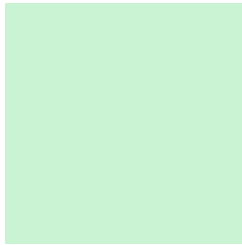
25.4949, 12.5414, 28.3781



2.2777, 1.1171, 2.6889

Previews

White Background



This preview shows how the XYZ color 67.7708, 81.1718, 73.0686 looks on a white background.

Color Contrast Check

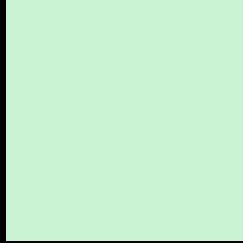
Large Text (above 18pt) WCAG AA × Fail

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 67.7708, 81.1718, 73.0686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

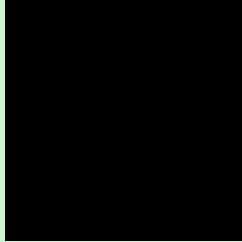
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

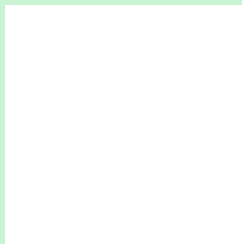
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7708, 81.1718, 73.0686

Background



This preview shows how black text looks on a background with the XYZ color 67.7708, 81.1718, 73.0686.



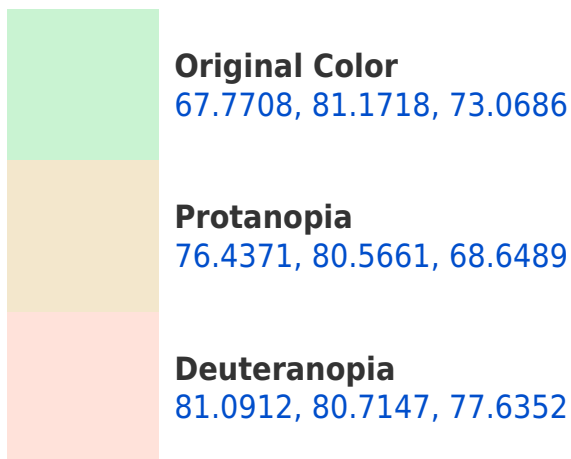
This preview shows how white text looks on a background with the XYZ color 67.7708, 81.1718,

73.0686.

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

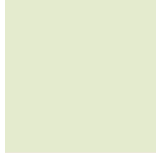
74.3399, 80.7662, 106.2790

Trichromacy



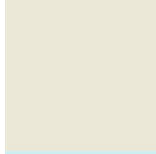
Original Color

67.7708, 81.1718, 73.0686



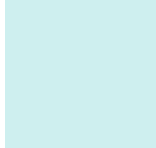
Protanomaly

72.8438, 80.3669, 70.0656



Deuteranomaly

75.3833, 80.2817, 75.8128



Tritanomaly

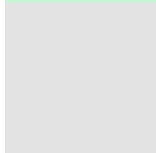
71.9001, 81.0868, 93.5231

Monochromacy



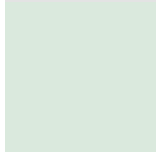
Original Color

67.7708, 81.1718, 73.0686



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.1035, 78.4037, 79.7925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7708, 81.1718, 73.0686 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(201, 243, 210)` looks like.

```
.text, #text, p{  
    color:rgb(201, 243, 210)  
}
```

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(201, 243, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 243, 210) }
```

Border

The CSS property to change the border of an element to XYZ 67.7708, 81.1718, 73.0686 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(201, 243, 210) }
```


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

```
.border{ border-color:rgb(201, 243, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 243, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 243, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 243, 210);  
box-shadow:4px 4px 4px 4px rgb(201, 243,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7708, 81.1718, 73.0686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 243, 210) }
```

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

```
.background{ background-color: rgb(201,  
243, 210) }
```

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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