

Converting Colors

XYZ(63.8832, 84.7258, 71.6209)

Have a look what the booklet for
XYZ(63.8832, 84.7258, 71.6209)
contains.

XYZ(63.9138, 84.7469, 71.3817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.9138, 84.7469,
71.3817)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFCE
RGB	172, 255, 206
RGB Percent	67%, 100%, 81%
CMY	0.3255, 0.0000, 0.1921
CMYK	0.33, 0.00, 0.19, 0.00
HSL	145°, 100%, 84%
HSV	145°, 33%, 100%
XYZ	63.9138, 84.7469, 71.3817
YIQ	224.5970, -33.7390, -32.8350

Conversions

Conversions Part 2

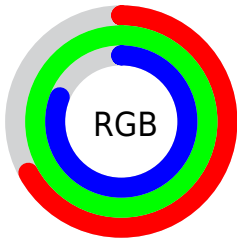
Format	Color
RYB	172, 231, 255
Decimal	11337678
CIELab	93.77, -35.12, 15.52
CIELCh	94, 38.393, 156.152
Yxy	84.7469, 0.2905, 0.3851
Android (android.graphics.Color)	4289527758 (0xFFACFFCE)
YUV	224.5970, -9.1683, -46.1276
Hunter-Lab	92.0581, -37.1732, 18.4673

Details

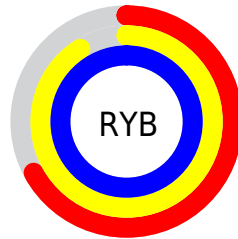
The XYZ color **63.9138, 84.7469, 71.3817** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.0440, 55.9862, 75.5738**, and the grayscale version is **71.3595, 75.0757, 81.7575**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **33.1977, 46.4371, 36.9193** is the 20% darker color. If you saturate the color by 10%, you get **57.1017, 81.4364, 61.9696**, and if you desaturate by 10%, it is **71.9762, 88.6816, 81.7695**.

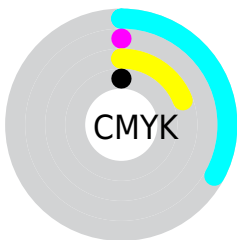
Distribution



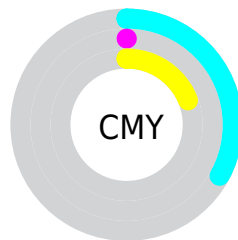
- Red (67%)
- Green (100%)
- Blue (81%)



- Red (67%)
- Yellow (91%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9138, 84.7469, 71.3817 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 63.9138, 84.7469, 71.3817 by changing the saturation by 10% instead.


 63.9138, 84.7469,
71.3817

 63.9138, 84.7469,
71.3817

428.4854,
510.7902, 484.3062

 46.8423, 63.6323,
52.1700


 109.5612,
140.0195, 122.8766

 33.1184, 46.3529,
36.7574


138.8678,
174.9463, 155.9969

 22.3768, 32.5244,
24.7254


172.9835,
215.2459, 194.5904

 14.2522, 21.7624,
15.6554

212.2736,
261.3027, 239.0758

 8.3792, 13.6824,
9.1290

257.1035,
313.5011, 289.8715

 4.3923, 7.9001,
4.7274

307.8385,

 1.9264, 4.0311,

372.2256, 347.3961

2.0323

364.8441,
437.8605, 412.0682

■ 0.5921, 1.6910,
0.5750

■ 0.0000, 0.4178,
0.0000

■ 63.9138, 84.7469,
71.3817

■ 63.9138, 84.7469,
71.3817

■ 57.1017, 81.4364,
61.9696

■ 71.9762, 88.6816,
81.7695

■ 51.4714, 78.7155,
53.5003

■ 81.3483, 93.2708,
93.1562

■ 46.9506, 76.5474,
45.9451

■ 92.0880, 98.5437,
105.5695

■ 43.4576, 74.8908,
39.2721

95.0500, 100.0000,
108.9000

■ 40.8990, 73.6981,
33.4474

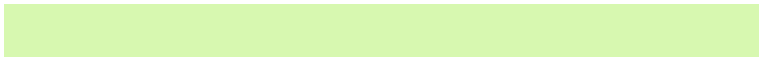
■ 39.1623, 72.9120,
28.4346

■ 38.2822, 72.5289,
25.2016

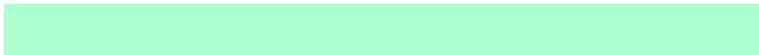
Harmonies

Analogous

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



69.5272, 84.7469, 53.9536



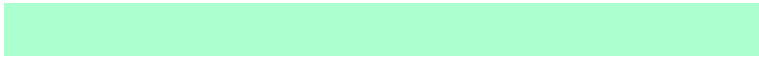
63.9138, 84.7469, 71.3817



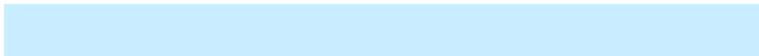
62.5850, 84.7469, 98.4242

Triad

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



63.9138, 84.7469, 71.3817



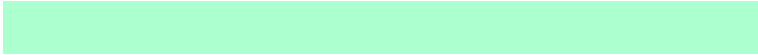
82.6689, 84.7469, 160.1242



97.4418, 84.7469, 62.9539

Complementary

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



63.9138, 84.7469, 71.3817



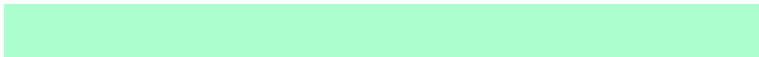
69.0440, 55.9862, 75.5738

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.



101.6592, 84.7469, 86.3873



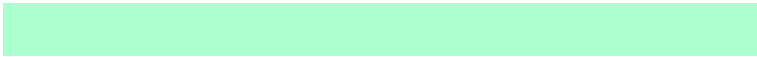
63.9138, 84.7469, 71.3817



92.6790, 84.7469, 145.4504

Square

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



63.9138, 84.7469, 71.3817



72.8789, 84.7469, 153.7538



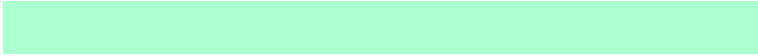
99.8468, 84.7469, 116.8926



88.7401, 84.7469, 49.8543

Rectangle

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



63.9138, 84.7469, 71.3817



64.1997, 84.7469, 119.3039



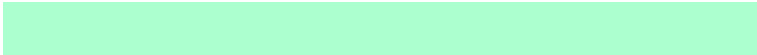
99.8468, 84.7469, 116.8926



99.4629, 84.7469, 69.6717

Sweetspot

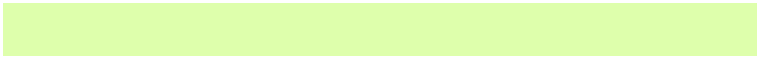
The Sweet Spot groups the original color and five complimentary colors.



63.9145, 84.7472, 71.3831



83.9531, 94.5485, 96.2210



73.2698, 89.9968, 52.5400



17.6596, 20.0853, 20.2317



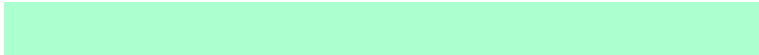
0.0000, 0.0000, 0.0000



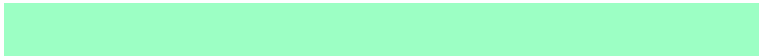
20.3446, 21.4041, 23.3091

Same Dimension

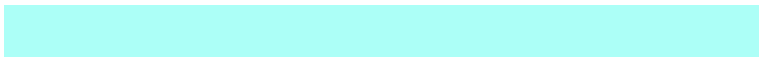
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.9145, 84.7472, 71.3831



59.3802, 82.5418, 65.2002



69.5159, 86.9878, 100.8797



18.0800, 20.2915, 20.7245



20.0730, 37.9258, 13.5354



2.0071, 3.7138, 1.5951

Inverse Universe

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



69.0440, 55.9862, 75.5738



65.2240, 49.7545, 69.9586



64.2618, 54.0733, 50.3915



18.4594, 18.1671, 21.0361



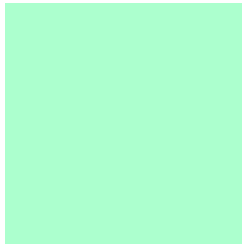
24.5240, 12.2989, 16.6759



2.4421, 1.2192, 1.9096

Previews

White Background



This preview shows how the XYZ color 63.9138, 84.7469, 71.3817 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 63.9138, 84.7469, 71.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

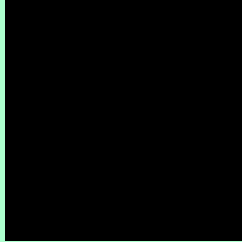
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

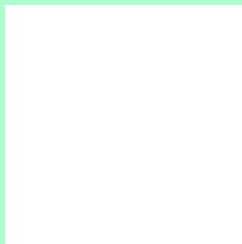
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9138, 84.7469, 71.3817

Background



This preview shows how black text looks on a background with the XYZ color 63.9138, 84.7469, 71.3817.

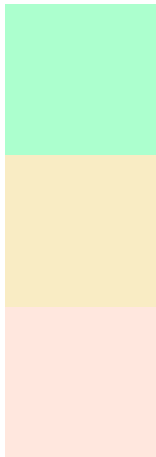


This preview shows how white text looks on a background with the XYZ color 63.9138, 84.7469, 71.3817.

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

63.9138, 84.7469, 71.3817

Protanopia

79.0262, 84.1162, 64.2955

Deuteranopia

83.0007, 83.6858, 80.8856



Tritanopia

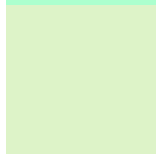
75.8327, 84.5866, 106.9378

Trichromacy



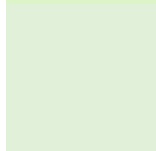
Original Color

63.9138, 84.7469, 71.3817



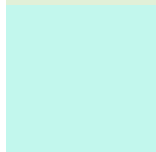
Protanomaly

72.2947, 83.6435, 66.9780



Deuteranomaly

74.6061, 83.2856, 77.1093



Tritanomaly

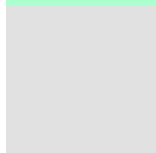
70.7950, 84.1053, 92.6234

Monochromacy



Original Color

63.9138, 84.7469, 71.3817



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.1039, 78.1747, 77.8294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9138, 84.7469, 71.3817 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(172, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 206)  
}
```

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(172, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 63.9138, 84.7469, 71.3817 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(172, 255, 206) }
```


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

```
.border{ border-color:rgb(172, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9138, 84.7469, 71.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 206) }
```

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

```
.background{ background-color: rgb(172,  
255, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor